

2008 University of New Hampshire Extension Annual Report of Accomplishments and Results

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I. Report Overview

1. Executive Summary

UNH Cooperative Extension is part of a network of county, state and regional outreach education offices that bring the University of New Hampshire resources directly to the people who live and work in New Hampshire. As a major outreach program of the University of New Hampshire, Cooperative Extension provides a direct link between UNH and people throughout the state. In partnership with local residents and volunteers, Cooperative Extension plans and conducts educational programs addressing needs and issues important to New Hampshire people.

Cooperative Extension's broad scope of activities, identified through on-going statewide and local needs assessment and reflected through our many partnerships with other organizations, agencies and academic departments, aim to foster development of competent individuals and strong families, strengthen New Hampshire communities, conserve and improve natural resources, and strengthen the economic viability of agricultural, forest and marine industries.

Cooperative Extension is a network of 170 full- and part-time professional and support staff located in New Hampshire's 10 counties, at the main UNH campus in Durham, and the urban campus in Manchester. More than 4,000 volunteers extend the reach of Extension staff throughout the state. Cooperative Extension designs and conducts educational programs in the areas of natural resources, and youth, families and communities. We use a variety of methods to engage the public in an interactive process designed to deliver information, research and programs.

Teaching, clinical, and research faculty from UNH's schools, colleges, centers and institutes work in partnership with Extension faculty to address the state's priority needs. Currently the majority of Extension's campus-based specialists are located in academic departments to maximize the potential for integrating teaching, research and outreach. Efforts are continuing to increase the number of specialists in departments.

Agricultural Resources programs respond to the changing needs of a diverse clientele with educational programs that promote environmentally safe practices and effective production, business and marketing strategies for New Hampshire family farms and home gardeners.

Forestry and Wildlife programs work to sustain and improve the economic viability of the state's \$1.9 billion forest products industries, which directly employ 10,000 New Hampshire residents, by providing information and assistance to New Hampshire forest landowners, community leaders, businesses and civic groups. Programs promote general public awareness of the varied economic benefits and ecological services provided by the state's commercial forests.

Sea Grant, Water and Marine Resources programs educates New Hampshire's residents in the stewardship and wise use of freshwater and marine resources. Our programs train and support volunteers who provide outreach and awareness and also assist with monitoring our lakes, streams and estuaries. Extension Specialists work with commercial fishermen to engage them in applied research and help them remain economically secure, environmentally responsible, and safe in their work.

4-H Youth Development, through diverse programs of hands-on learning, empowers young people to take an active role in decisions affecting their lives, families and communities. Programs include 4-H clubs, special interest groups, after-school programs, camps and short-term special-interest groups. Research has identified a successful positive youth development program as one in which young people feel a sense of belonging, develop a mastery of skills, including life skills that lead to independence and generosity. This philosophy matches the development of the individual through head, heart, hands and health.

Family and Consumer Resources staff develop diverse research-based programs that help New Hampshire individuals, families and communities gain knowledge and skills that foster effective decision-making and help them solve problems that affect their quality of life. Through the Nutrition Connections program, staff teach low-income families, pregnant and parenting teens, the elderly and children to eat healthfully, stretch food dollars and practice food safety. In addition, staff and campus-based specialists offers parenting education programs, teach financial management skills, and provide training in food safety for individuals, agencies, schools and businesses.

Community Development programs help New Hampshire communities face many emerging and overlapping challenges, which include changing demographics, shifting economic structures, a rise in family and community crises, a decline in volunteerism, loss of jobs and unprecedented growth in some regions and decline in others.

Total Actual Amount of professional FTEs/SYs for this State

Year:2008	Extension		Research	
	1862	1890	1862	1890
Plan	85.0	0.0	0.0	0.0
Actual	97.0	0.0	0.0	0.0

II. Merit Review Process**1. The Merit Review Process that was Employed for this year**

- External Non-University Panel
- Expert Peer Review

2. Brief Explanation

New Hampshire entered into a formal partnership with Cooperative Extension in Maine, Massachusetts, and Vermont in 2004 to develop and implement a web-based planning and reporting system. As a result of this very successful (and unique) partnership we share a planning and reporting system that allows each of use to view plans and reports of the other states. We have also agreed to provide Merit Review for each other on a rotating basis so that each state in the partnership gets a thorough, expert-review of their state plan of work every four years. In addition to providing feedback to one another, this rotation asks staff to volunteer to be reviewers to look carefully at plans from other states with similar goals and outcomes to their own. For example, 4-H youth development staff in ME, VT, and MA volunteered to review the 4-H youth development plans for NH in 2007 and Agriculture staff reviewed Agriculture plans. This system not only provided New Hampshire with valuable expert-review, but also increased the level of awareness of potential shared programs in neighboring states and helped the reviewers to reflect more critically on their own plans.

New Hampshire was the first state to undergo review in 2007 and Vermont was reviewed in 2008. A merit review score sheet was developed jointly so that a similar process would be used for each state. The states responsible for the review recruited a team of 2-4 staff members for each grouping. Because the plans were accessible to all staff in the four states through our common planning and reporting system, this made electronic access to the plans they needed to review easy.

Each of the three states reviewing collected data using a common merit review score sheet, then one person from each of the states summarized reviewer scores and comments and prepared the report for the state being reviewed. The reports are shared with staff who are developing the planned programs and suggestions are incorporated into next year's plan.

III. Stakeholder Input**1. Actions taken to seek stakeholder input that encouraged their participation**

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Targeted invitation to selected individuals from general public
- Survey of traditional stakeholder individuals
- Survey of selected individuals from the general public

Brief Explanation

Stakeholders were encouraged to provide input to UNH Cooperative Extension in a variety of ways and in a variety of locations. Each county meets regularly with their County Advisory Council and the State Advisory Council (made up of members from each county, and representatives from various partner organizations) meets quarterly. In addition, county advisory council members served on search committees for staff hires in county and state level positions.

In 2008, each county office and traditional Extension program area (4-H, Agriculture, Family and Consumer Resources, Forestry and Wildlife, and Sea Grant and Water Resources) developed key issue statements (in conjunction with county stakeholders and campus-based colleagues) that described the key issue, what public value Extension would contribute by addressing the issue, supporting data (such as demographics, needs assessments, and other agencies), ties to our mission, potential partners, and existing Extension programs that already address the issue. Extension specialists, our State Advisory Council, and Extension administration then reviewed the list and began narrowing it to the most significant issues. These key issues will become the basis for new or expanded programs in 2009 and beyond.

2(A). A brief statement of the process that was used by the recipient institution to identify individuals and groups stakeholders and to collect input from them

1. Method to identify individuals and groups

- Use Advisory Committees
- Needs Assessments
- Use Surveys

Brief Explanation

Identification of stakeholders and groups is accomplished primarily through local and state-wide advisory committees. Care is taken to recruit advisory committee members that represent a broad array of interests, background, and residency, including youth and underserved audiences.

2(B). A brief statement of the process that was used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of selected individuals from the general public

Brief Explanation

See above.

3. A statement of how the input was considered

- To Identify Emerging Issues
- Redirect Extension Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities

Brief Explanation

Three proposals were funded by UNH Cooperative Extension in early 2008 to address identified significant issues. Funding was awarded in a competitive process where we funded a small number of high priority issues that were high quality, outcome-driven projects that address complex and significant issues for the people of New Hampshire. Teams of Extension staff and UNH faculty submitted proposals that addressed expressed and felt needs of the people of New Hampshire. Further funding for additional significant issue proposals will depend greatly on state and county funding levels for 2009 and beyond, but each program area is using the identified issues to plan programs and make strategic hiring decisions. Given the increase in expectations for Extension staff to look for grant funding to supplement existing budgets, data from this process will be especially important in setting priorities for grant development and pursuing new partnerships for educational programming.

Brief Explanation of what you learned from your Stakeholders

Nothing not already articulated.

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1482657	0	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
	Extension		Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	1482657	0	0	0
Actual Matching	1482657	0	0	0
Actual All Other	16877084	0	0	0
Total Actual Expended	19842398	0	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous years				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. NO.	PROGRAM NAME
1	Forestry and Wildlife
2	Agricultural Resources
3	4-H Youth Development
4	Civic Participation and Leadership
5	Strengthening New Hampshire Communities
6	Excellence in Extension Teaching
7	Family and Consumer Resources
8	Land and Water Conservation
9	Extension Disaster Education Network
10	Program Development and Evaluation
11	Natural Resource Business Institute
12	Sea Grant and Water Resources

Program #1

V(A). Planned Program (Summary)

1. Name of the Planned Program

Forestry and Wildlife

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
123	Management and Sustainability of Forest Resources	60%			
124	Urban Forestry	20%			
135	Aquatic and Terrestrial Wildlife	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	0.0	0.0
Actual	16.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
244562	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
244562	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
2783849	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Implement components of the NH Forest Resources Plan - Conduct, sponsor, co-sponsor or provide educational expertise for over 250 workshops, seminars or educational events.
- Develop statewide and regional coordinated/standardized programs accomplished by Forestry and Wildlife staff working individually or in teams.
- Develop messages and strategies using ownership size, watershed location or landscape location. Audiences, messages and strategies may differ by location in the state.
- Develop key messages for landowners consistent with our public awareness strategy.
- Develop a checklist of topics to cover on site visits
- Landowner outreach to reach new clientele
- Review and update standard operating procedures on staff approaches to landowner site visits.
- Develop an evaluation and improvement process for follow-through on site visits.
- Maintain contact with landowners through newsletters, web page, and special mailings.
- Develop materials to help landowners make informed decisions when selling timber and disseminate these materials through town offices and other means.
- Involve key family members in woodlot visits and woodlot planning
- Reach clientele through training programs (Coverts - Tree Stewards)
- Maintain volunteer's role as ambassadors of messages and programs and not as providers of technical expertise.
- Work with Project Learning Tree and 4-H Youth Development to educate teachers and youth leaders on forest resource issues.

2. Brief description of the target audience

Target audiences include non-industrial private forest owners (NIPF), municipal and other forest landowners, natural resource professionals, communities, volunteers, NH forest-based industries and the public.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	6700	22000	0	500
2008	5523	29648	2779	3600

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of people reached implementing components of the NH Forest Resources Plan

Year	Target	Actual
2008	3500	78068

Output #2**Output Measure**

- Number of workshops, seminars or educational events where educational expertise is offered

Year	Target	Actual
2008	250	431

Output #3**Output Measure**

- People reached through development of statewide and regional coordinated/standardized programs accomplished by Forestry and Wildlife staff working individually or in teams

Year	Target	Actual
2008	12000	12479

Output #4**Output Measure**

- Number of people reached through messages and strategies around ownership size, watershed location or landscape location

Year	Target	Actual
2008	700	700

Output #5**Output Measure**

- Number of landowners receiving key messages consistent with our public awareness strategy

Year	Target	Actual
2008	2500	844

Output #6**Output Measure**

- Number of site visits where a check list of topics is used

Year	Target	Actual
2008	500	547

Output #7**Output Measure**

- Number of one-on-one consultations with new landowners

Year	Target	Actual
2008	125	547

Output #8**Output Measure**

- Number of staff who review, update, and evaluate standard operating procedures on landowner site visits

Year	Target	Actual
2008	15	15

Output #9**Output Measure**

- Number of people reached through newsletters, web page, and special mailings

Year	Target	Actual
2008	10000	64600

Output #10**Output Measure**

- Number of landowners who receive materials to help them make informed decisions when selling timber

Year	Target	Actual
2008	200	1756

Output #11**Output Measure**

- Number of key family members involved in woodlot visits and woodlot planning

Year	Target	Actual
2008	450	450

Output #12**Output Measure**

- Number of clientele reached through training programs (Coverts and Tree Stewards)

Year	Target	Actual
2008	500	511

Output #13**Output Measure**

- Number of volunteers who maintain role as ambassadors of messages and programs, but don't provide technical expertise inappropriately

Year	Target	Actual
2008	1000	511

Output #14**Output Measure**

- Number of teachers and educators using Project Learning Tree to teach youth about forest resource issues

Year	Target	Actual
2008	150	271

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of acres of forest management plans meet or exceed NH forest stewardship standards
2	Number of forest owners who receive federal or state financial incentives for implementing conservation practices
3	Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years
4	Number of volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs
5	Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs
6	Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually
7	Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets
8	Number of acres landowners develop conservation easements on in NH acres each year
9	Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public
10	Number of Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment
11	Number of NH women who improve forest business management as a result of the Women and the Woods program
12	Number of professional loggers in NH who increase their knowledge and market forest products to Sustainable Forestry Initiative companies requiring certified loggers through the Professional Loggers Program with NH Timberland Owners Association and the UNH Thompson School
13	Crosscutting narrative

Outcome #1**1. Outcome Measures**

Number of acres of forest management plans meet or exceed NH forest stewardship standards

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	20000	8665

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #2**1. Outcome Measures**

Number of forest owners who receive federal or state financial incentives for implementing conservation practices

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	60

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #3

1. Outcome Measures

Number of new landowners engaged with a forester or natural resources professional for the first time or for the first time in 10 or more years

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	442

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #4

1. Outcome Measures

Number of volunteers in conservation work in NH communities as a result of training and continued work by UNHCE primarily in the Coverts and Community Tree Stewards programs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	300	511

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

Outcome #5**1. Outcome Measures**

Percent of of NH licensed foresters trained by UNHCE in each of the two-year licensing period for CEUs

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	80	75

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results**4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #6**1. Outcome Measures**

Number of people who influence the forest environment in NH with increased working knowledge about forest resource management through workshops, seminars, or educational events annually

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	1000	12479

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #7

1. Outcome Measures

Number of NH communities engage in natural resource inventories or natural heritage assessments to identify natural assets

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	37

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources
135	Aquatic and Terrestrial Wildlife

Outcome #8

1. Outcome Measures

Number of acres landowners develop conservation easements on in NH acres each year

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10000	8050

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #9

1. Outcome Measures

Number of licensed foresters who increase business opportunities through 300 referrals from UNHCE staff - thereby sustaining a cadre of private sector licensed foresters offering services to the public

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	442

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #10

1. Outcome Measures

Number of Tree Steward and Coverts who volunteer each year beyond the required 40 hour commitment

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	25	65

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
124	Urban Forestry
135	Aquatic and Terrestrial Wildlife

Outcome #11

1. Outcome Measures

Number of NH women who improve forest business management as a result of the Women and the Woods program

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
123	Management and Sustainability of Forest Resources

Outcome #12**1. Outcome Measures**

Number of professional loggers in NH who increase their knowledge and market forest products to Sustainable Forestry Initiative companies requiring certified loggers through the Professional Loggers Program with NH Timberland Owners Association and the UNH Thompson School
Not reporting on this Outcome for this Annual Report

Outcome #13**1. Outcome Measures**

Crosscutting narrative

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

There are approximately 4,824,000 acres of forested land in New Hampshire, 84% of the state. Of the 4,824,000 acres, 75% is under private ownership. Cooperative Extension's Forestry and Wildlife Program staff are available to work with these landowners and help them maximize the economic, educational and ecological benefits of the land, which include direct and indirect benefits to the landowners themselves and the communities where the land resides.

In one year alone, New Hampshire residents received over \$45.9 million of income from selling timber and other wood products and New Hampshire towns received over \$4.6 million in timber tax (2007, NH Department of Revenue Administration). Healthy, sustainable forests are critical to New Hampshire's forest products industry and the forest-related tourism and recreation industries which contribute more than \$2 billion annually to the state's economy.

What has been done

New Hampshire licensed foresters attending Extension workshops manage an estimated 650,000 acres of private forest land resulting in improved practices. 80% of attendees reported that attendance had a positive influence on their land management practice.

Over 500 Coverts and Community Tree Stewards are actively involved in conservation in their communities. Many are heavily involved in helping to minimize the effect of fragmentation and sprawl through open space initiatives. Towns with these active conservation volunteers are three times more likely to have passed conservation funding measures than towns lacking these volunteers.

Extension staff worked jointly to help people affected by the tornado of July 24, 2008. A web page was set up almost immediately, easily accessed at www.nhwoods.org and updated several times a day. County Foresters went door-to-door, answering questions about debris cleanup, and specialists communicated with sawmills and loggers to find out how markets might be affected. Five meetings were organized to bring community members together in one place, disseminate information and answer questions. Over 213 people attended. Communication with affected landowners is ongoing.

Results

As a result of the individual and workshop-based activity, Extension foresters referred over 440 landowners owning 36,000 acres to licensed foresters who wrote forest stewardship plans on over 8,665 acres. This represents \$129,975 of direct economic activity as well as improved management and timber harvesting. Over 25% of New Hampshire's private forest land is managed according to an integrated forest stewardship plan.

New Hampshire County Forest Resources Educators, in partnership with the Natural Resources Conservation Service (NRCS) and the Farm Service Agency (FSA), implements the NRCS Environmental Quality Incentives Program (EQIP), and the Wildlife Habitat Improvement Program (WHIP) in the state. These federal programs provide cost-share dollars for practices that improve and protect forestland, wildlife habitat and water quality and usually act as the catalyst for the forest products industry in New Hampshire.

Minimizing Fragmentation and Sprawl through Community Conservation Planning and Permanent Land Protection: 7 communities completed natural resource inventories, wetland evaluations as a prelude to conservation planning and identifying important lands to permanently protect. Over 8,050 acres of forest and field have been permanently protected as a result of assistance provided by the UNH Cooperative Extension.

4. Associated Knowledge Areas

KA Code	Knowledge Area
124	Urban Forestry
123	Management and Sustainability of Forest Resources

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)
- Before-After (before and after program)

Evaluation Results

Key Items of Evaluation

Program #2

V(A). Planned Program (Summary)

1. Name of the Planned Program

Agricultural Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	20%			
205	Plant Management Systems	20%			
211	Insects, Mites, and Other Arthropods Affecting Plants	5%			
212	Pathogens and Nematodes Affecting Plants	5%			
216	Integrated Pest Management Systems	10%			
315	Animal Welfare/Well-Being and Protection	10%			
601	Economics of Agricultural Production and Farm Management	10%			
602	Business Management, Finance, and Taxation	10%			
604	Marketing and Distribution Practices	10%			
Total		100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	18.0	0.0	0.0	0.0
Actual	20.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
305702	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
305702	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
3479811	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Workshops/conferences - including single- and multi-day conferences, Farm and Forest events, and various producer association meetings
- Pasture walks & twilight meetings
- Farm/site visits, including kitchen table meetings and private consultations
- On-farm and university-based applied research projects
- Phone consultations
- Pesticide Applicator Training
- Soil and plant tissue diagnostic services
- Publications - newsletters, news releases, fact sheets, publications, web page
- Radio and TV spots

2. Brief description of the target audience

Farmers/producers, people who work in agriculture-related fields, homeowners, nursery/greenhouse managers, turf managers

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	5000	200000	0	0
2008	46506	1917232	228	225

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of people reached through workshops, conferences, single- and multi-day grower schools, Farm and Forest events, and various producer association meetings

Year	Target	Actual
2008	2200	12052

Output #2**Output Measure**

- Number of people attending pasture walks

Year	Target	Actual
2008	100	106

Output #3**Output Measure**

- Number of farm/site visits, including kitchen table meetings and private consultations

Year	Target	Actual
2008	3000	1015

Output #4**Output Measure**

- Number of people reached through news releases, news letters, fact sheets and web page with agriculture information

Year	Target	Actual
2008	15000	43285

Output #5**Output Measure**

- Number of people who visit and view on-farm and university-based applied research sites

Year	Target	Actual
2008	500	1365

Output #6**Output Measure**

- Number of people who attend agricultural festivals, county fairs, road races, and other miscellaneous events where Extension has agricultural displays

Year	Target	Actual
2008	10000	1788

Output #7**Output Measure**

- Number of people reached with agriculture information via radio and TV spots

Year	Target	Actual
2008	50000	1872000

Output #8**Output Measure**

- Number of people who attend twilight grower meetings

Year	Target	Actual
2008	450	1616

Output #9**Output Measure**

- Number of phone consultations regarding agricultural practices, home horticulture and miscellaneous agriculture topics

Year	Target	Actual
2008	13000	5144

Output #10**Output Measure**

- Number of Pesticide Applicators attending recertification training

Year	Target	Actual
2008	1500	571

Output #11

Output Measure

- Number of soil and plant analyses conducted by diagnostic labs

Year	Target	Actual
2008	1250	2771

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent of participants who use soil and/or tissue test results to determine crop nutrient needs
2	Percent of participants who formulate a plan to guide their crop production, pest management, nutrient allocation, animal health, or farm management decisions
3	Percent of participants who adopt management practices that improve farm productivity, quality of life and/or profitability
4	Percent of participants who implement risk management strategies including crop insurance, diversification of products and crops, conservation easements, and other risk reducing strategies
5	Percent of participants who increase the yield and/or improve the quality of their forage crops
6	Percent of participants who diversify their pest management practices
7	Percent of participants who adopt recommended practices or technologies such as new crops or varieties, production systems, season extension techniques and/or greenhouse lighting
8	Percent of participants implement new marketing practices that increase the number of customers or sales per customer including changing pricing, products, promotion, layout, signage, and/or direct sales
9	Percent of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment
10	Percent of participants who improve the quality of athletic fields, public spaces and/or golf course conditions
11	Crosscutting -- production agriculture outcome

Outcome #1

1. Outcome Measures

Percent of participants who use soil and/or tissue test results to determine crop nutrient needs

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	69

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Written recommendations were issued to 1,292 farmers, land managers, and citizens for over 2,770 samples in 2008. This reflects a 7% increase over the number of samples done during the previous year.

Results

Surveys showed that over 70% of the respondents followed the recommendations when applying nutrients on their farms and in their gardens. This has been shown to prevent over applications of nutrients, reduce runoff, improving both surface and ground water quality. Additionally, this will save these 1,292 producers money by reducing input costs.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
102	Soil, Plant, Water, Nutrient Relationships

Outcome #2

1. Outcome Measures

Percent of participants who formulate a plan to guide their crop production, pest management, nutrient allocation, animal health, or farm management decisions

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	48

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
216	Integrated Pest Management Systems
601	Economics of Agricultural Production and Farm Management
315	Animal Welfare/Well-Being and Protection
205	Plant Management Systems

Outcome #3**1. Outcome Measures**

Percent of participants who adopt management practices that improve farm productivity, quality of life and/or profitability

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	84

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

In 2005 the New Hampshire General Court authorized a Farm Viability Task Force, because 'farming and other agricultural interests are a vital part of New Hampshire's economy and need much more attention.'

The Task Force was asked to study and recommend policy and actions to promote the strength and vitality of the state's agricultural sector, in recognition of its role in the state's food system, economy, and environment. This task force traveled the state and held dozens of interviews. After a year of fact finding, they complete a report which included recommendations to help enhance NH's agricultural viability. Of their 10 recommendations, one was to increase on-farm income through business planning and a second was to increase marketing opportunities for direct sales of agricultural products.

What has been done

Additional needs assessments conducted by UNHCE and various non-profit groups around the state have found that succession planning, whole farm planning, record keeping, enterprise analysis, farm safety, and risk management were areas that also needed to be addressed to help farms increase their profitability, management skills, and keep farms viable. Our programs in 2008 focused on nutrient management, soil fertility, crop diversification, new production techniques, pest and disease management, livestock first-aid and grazing skills.

To achieve the desired outcomes county-based educators and university-based specialists provided the following number of outputs:

- 4 conferences
- 18 workshops
- 42 farm/site visits and private consultations
- 92 phone consultations
- 7 publications including fact sheets, radio, television and news articles

Results

Individual operations were impacted in a variety of positive ways:

One livestock operation approached UNHCE for help in figuring how to expand the farm to include a small organic dairy operation. As a result of several farm visits, the farm was able to project cash flow and income with the dairy herd included on the farm, develop a business plan, and figure out how to convert part of their existing pole barn to accommodate the milking herd and milking facilities. The farm has begun to build their herd and is proceeding with barn renovations, and they have built a growing customer base for raw milk.

A large organic vegetable farm grew from a single owner to a partnership this past year. UNH Cooperative Extension's work with this farm centered on developing a management plan that merges often disparate values into an actionable management system. To date we have developed a whole farm goal, a modified and improved record keeping system that allows the farm to track associated enterprise income, expense streams, and labor. We have also identified new markets to pursue, which has resulted in the emergence of a 25 member CSA. Another impact of Extension's work is the increased management skills of the farm partners, improved communication between these partners, and reduced conflicts. Our work in the future will target crop production issues such as weed and pest management.

Two owners of a decades old blueberry farm sought to transition out of managing their farm. They desire to either have some or all of their children take over the farm, or sell it to other farmers, their first choice being someone locally. UNH Cooperative Extension worked with this farm family creating a written transition plan and goal statement. A set of LLCs that would distribute farm and family assets between siblings was developed and is being modified.

When the farmers were asked how they would describe the impact of our work over the past year, they wrote the following, 'Extension has been decisive in our ability to keep on farming. They provided us with concrete guidance on how to be more profitable, such as how to identify our 'weakest link' in production and target improvement there. Our county educator recognizes that a farm is not a hierarchy; it is a holistic unit where everyone's input should be considered. In learning to work together, he encourages everyone to focus not so much on who is right or wrong but on recognizing that everyone has needs and it is a matter of finding compromises that work. He gets all the issues on the table and teases out the personal issues from the farm issues that things get snagged on. It's helpful working with him because he understands personal issues but knows how they are applied to farm management. These issues go beyond production which we are good at. They go to the heart of lifestyle, relationships and economics.'

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation

Outcome #4

1. Outcome Measures

Percent of participants who implement risk management strategies including crop insurance, diversification of products and crops, conservation easements, and other risk reducing strategies

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	60

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices

Outcome #5**1. Outcome Measures**

Percent of participants who increase the yield and/or improve the quality of their forage crops

Not reporting on this Outcome for this Annual Report

Outcome #6**1. Outcome Measures**

Percent of participants who diversify their pest management practices

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	25	85

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Farmers, greenhouse growers and orchardists are threatened by serious pests that can blemish crops, lower crop quality, kill plants, and reduce income. Pesticides are available to control pest problems, but heavy reliance on them can be expensive, and carry environmental risks. Growers often heavily rely on retail sales, and customers strongly prefer that growers minimize or eliminate pesticide use.

What has been done

Extension helps growers handle this balancing act by teaching Integrated Pest Management. We offer publications, newsletters, an automated pest situation telephone hotline, workshops, and farm visits.

Results

The UNH Cooperative Extension Integrated Pest Management program assisted farmers to save money, reduce dependence on chemical pesticides, reduce pest injury, and protect the environment. Apple impacts were \$190,000 in FY2008. The incidence of pest injury on the apple crop in 2008 was 5% below pre-IPM levels.

A survey of fruit and vegetable growers found that 73-85% of respondents reported that the association meetings, workshops, and twilight meetings sponsored by UNHCE helped them increase their ability to identify, diagnose or manage pests. Additionally, 80-87% of respondents said that these educational events resulted in their adoption of new methods of preventing or managing pests or using new growing practices. An additional 20-54% said it helped them improve the way they market their crops. Another survey of NH fruit and vegetable growers found that over 50% reported that direct contact with a UNHCE county educator or UNHCE specialist helped them to increase their ability to identify, diagnose or manage pests or adopt or try new growing practices.

Growers also reported that the UNHCE Vegetable and Fruit Newsletter primarily helped them adopt new methods of preventing or managing pests (33-38%), and also increased their ability to identify, diagnose or manage pests (27-31%). Fifteen percent said that they increased knowledge of nutrient management.

The Tri-state Greenhouse Integrated Pest Management workshops helped New Hampshire, Maine and Vermont greenhouse growers and managers increase their use of biological pest controls. 67% of NH attendees reported in 2008 that they now use biological controls, an increase over previous years. 20% more growers reported that they use banker plants (a biological technique) this year, as compared to 2007.

4. Associated Knowledge Areas

KA Code	Knowledge Area
211	Insects, Mites, and Other Arthropods Affecting Plants
216	Integrated Pest Management Systems
212	Pathogens and Nematodes Affecting Plants
205	Plant Management Systems

Outcome #7

1. Outcome Measures

Percent of participants who adopt recommended practices or technologies such as new crops or varieties, production systems, season extension techniques and/or greenhouse lighting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	83

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
212	Pathogens and Nematodes Affecting Plants
205	Plant Management Systems

Outcome #8**1. Outcome Measures**

Percent of participants implement new marketing practices that increase the number of customers or sales per customer including changing pricing, products, promotion, layout, signage, and/or direct sales

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	60

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
604	Marketing and Distribution Practices

Outcome #9**1. Outcome Measures**

Percent of participants in home horticulture programs who gain skills that improve self-esteem, enable them to grow and preserve crops, adopt IPM practices and protect and enhance their environment

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	75

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire's population now exceeds 1,288,000. Each year UNHCE receives thousands of requests from New Hampshire citizens for education and information on a wide range of topics including home gardening, wildlife, household pests, food preparation and food safety, trees and shrubs and many other topics.

What has been done

The New Hampshire Family, Home & Garden Education Center and its volunteers responded to over 6,800 information requests this year on trees and shrubs, lawn and garden care, pest problems, wildlife, and food safety and preservation. The 174 trained Master Gardeners contributed over 3,000 volunteer hours at the Center, which increased the ability of residents to enjoy and sustain the economic and environmental benefits of NH agriculture.

Results

Participants of New Hampshire's volunteer Master Gardener education programs, increased their knowledge of home horticulture and UNHCE resources, and learned how to apply that knowledge and UNHCE resources. As a result, participants were able to accurately answer consumer calls and requests for information, and teach others about home horticulture and how to make changes to their surroundings that optimize the safe use of their properties while protecting the environment. This benefits the community by expanding the impact of UNHCE's programs, frees up Extension Educators' time, and increases the ability of NH's citizens to enjoy the benefits of home horticulture and sustain the economic, aesthetic and environmental benefits of NH agriculture.

Cooperative Extension offers tick identification through the Arthropod Identification Center. This year we surveyed people for whom we had identified ticks, to ask if the information we provided was helpful. 100% of the respondents indicated that they changed their behavior as a result of the information they received. 90.5% said they thought it lowered their risk of acquiring Lyme Disease. 86% said the information was very helpful. Lyme Disease is the most common vector-borne disease in NH, with 892 new cases reported in 2007. The tick identification effort is just one piece of Extension's effort, which may be reducing the number of people here who get Lyme Disease. It is more difficult to measure the impact of the other efforts (lectures, broadcasts, publications, displays).

4. Associated Knowledge Areas

KA Code	Knowledge Area
102	Soil, Plant, Water, Nutrient Relationships
216	Integrated Pest Management Systems
211	Insects, Mites, and Other Arthropods Affecting Plants

Outcome #10

1. Outcome Measures

Percent of participants who improve the quality of athletic fields, public spaces and/or golf course conditions

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	65

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire has over 130 golf courses, 220 towns, and thousands of schools with athletic programs. These clients have turned to UNH Cooperative Extension for assistance with management and maintenance of these highly valued grounds and sports fields. Outreach efforts have targeted town officials, athletic directors, grounds keepers, and golf course superintendents. Additionally, the landscaping industry and homeowners represent significant revenue stream for the New Hampshire economy, purchasing sod and turf inputs. These client groups have also used UNH Cooperative Extension educational resources to meet their needs.

What has been done

To achieve the desired outcome county-based educators and university-based specialists provided the following:

- 1 conference
- 24 workshops, twilight meetings and educational events
- 18 farm/site visits and private consultations
- 19 on farm and university based applied research projects
- 355 phone consultations
- 4 publications including fact sheets, radio, television and news articles

Results

One NH golf course that has been a dedicated participant to UNH Cooperative Extension's turf IPM program indicated their pesticide use has dropped dramatically. In 2008, only 10% of the potential acreage was treated with an insecticide. The remaining 90% of the acreage had too few pests to justify treating. This IPM program not only reduced the pesticide load in the environment, and reduced human exposure; it also saved the course \$15,000 in costs of product, energy, and labor.

One golf course superintendent wrote, 'The Extension Turf IPM program has saved us many thousands of dollars in pesticide, labor, and energy costs. The IPM program helps us choose the lowest risk chemicals that will do the job. We aren't putting any more chemicals in the environment than necessary and that reduces the exposure to us and the golfers.'

Seventeen research trials were conducted that emphasized low risk chemicals and biological controls for turf pests. This research helped register the first 'low risk' insecticide for turf. The biological control research is determining which bacterial species can be used for grub control in NH.

A new high school in Rockingham County was in the construction stage and requested assistance in the soil and seeding specifications for the football, soccer and baseball fields. During a site visit questions were addressed including the status of seedling development, drainage, irrigation, plant vigor, fertilization and lime needs, mowing height and disease prevention and control. Information provided by UNH Cooperative Extension saved the project an estimated \$3,000.

4. Associated Knowledge Areas

KA Code	Knowledge Area
216	Integrated Pest Management Systems
102	Soil, Plant, Water, Nutrient Relationships

Outcome #11

1. Outcome Measures

Crosscutting -- production agriculture outcome

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Over the past few decades, New Hampshire's agriculture industry has evolved into a diverse, vibrant sector of the state's economy. Agricultural businesses produce a wide variety of crops, plants, livestock products and specialty foods. Annual sales of agricultural products near \$750 million per year, but that's only part of the industry's economic impact. The 3,100 individual businesses manage over 150,000 acres of cropland with an additional 250,000 acres devoted to pasture, Christmas trees, and maple syrup production. This open space buffers residential and commercial development and provides the working landscape that makes New Hampshire attractive to visitors worldwide.

What has been done

In order for the farming community to thrive, it must continue to be economically and environmentally sustainable while meeting societal obligations. To help meet these needs, University of New Hampshire Cooperative Extension Agricultural Resources Program devotes significant effort and resources to help New Hampshire growers with production issues. Our programs in 2008 focused on nutrient management, soil fertility, crop diversification, new production techniques, pest and disease management, livestock first-aid and grazing skills.

To achieve the desired outcomes county-based educators and university-based specialists provided the following number of outputs:

- 71 conferences, and producer meetings
- 390 workshops, twilight meetings and educational events
- 14 pasture walks
- 1,015 farm/site visits and private consultations
- 71 on farm and university based applied research projects
- 2,235 phone consultations
- 2,771 soil and tissue tissue,
- 740 insect, and disease diagnostic tests
- 102 publications including fact sheets, radio, television and news articles

Results

Thirty-four growers (80% of respondents) cited specific changes that they implemented on their farm as a result of UNHCE activities. These ranged from planting new recommended varieties of fruits and vegetables, trying new crops such as sweet potatoes and garlic, using new production systems such as cut flowers in tunnels, plasticulture strawberries, and new trellising systems for raspberries, diversifying their farming operations, changing irrigation, pruning, weed control, and fertilization practices, monitoring for new pests, and many more.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
601	Economics of Agricultural Production and Farm Management
102	Soil, Plant, Water, Nutrient Relationships

V(H). Planned Program (External Factors)**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}

Program #3

V(A). Planned Program (Summary)

1. Name of the Planned Program

4-H Youth Development

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
802	Human Development and Family Well-Being	10%			
805	Community Institutions, Health, and Social Services	10%			
806	Youth Development	80%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	12.0	0.0	0.0	0.0
Actual	20.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
305702	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
305702	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
3479811	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Life Skill Development

- County & State Activity Days
- Youth Recognition-marketing you, scholarships, achievement awards, etc
- Career Education/workforce prep
- Project related events/activities demonstrating life skills competencies
- Civic Participation
- Entrepreneurship
- Healthy Life Style Activities

Resource Development and Maintenance

- Working with local & state 4-H Foundations
- Donor relations-public, private
- Marketing-recruiting youth, clubs/groups, general public relations
- Fund raising events and activities
- Grant Development

Youth Leadership

- Youth Voice-committees, group, communities
- Officer Leadership Lab
- Teen Programming-State Conf., councils, exchanges, etc
- Leaders In Training/Mentor Program at 4-H Camp

Volunteer/Staff Development and Management

- Recruit, screen, orient, support, and recognize volunteers
- Project/activity volunteer training-multiple delivery methods
- Certification Programs – Shooting Sports, etc.
- Positive Youth Development Training

- Middle manager system design and support (includes fair superintendents)
- Training for out of school time staff
- Regional training efforts including 2008 North East Leaders Forum

Community Youth Development

- Youth Community Involvement – Community Youth Mapping, Youth Action groups, teen centers, Youth As Partners, service learning
- Family Involvement
- Youth Coalition development/participation/grant development, technical support
- Children Youth and Families At Risk (CYFAR) Initiatives
- Operation Military Kids

Subject Matter Mastery

- Subject matter short courses/clinic
- Skill-a-thons
- Project specific training

Positive Youth Development

- Safe learning environments
- Camps-summer, residential, day, Operation Military Kids, family
- Technical support, translation of research, data analysis related to youth issues and development
- Policy Development

2. Brief description of the target audience

Youth – ages 5-18 involved in community 4-H clubs, after school programs, community coalitions and classrooms.

Adult volunteers, educators, decision makers, policy makers

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	2400	2000	23500	5000
2008	411563	387464	32253	26924

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of youth involved in 4-H community clubs/groups and after school programs that participate in activities designed to increase life skills.

Year	Target	Actual
2008	1500	4098

Output #2**Output Measure**

- Number of youth involved in partnerships who learn skills and ethical obligations related to resource development.

Year	Target	Actual
2008	50	151

Output #3**Output Measure**

- Number of adults involved in partnerships who learn skills and ethical obligations related to resource development.

Year	Target	Actual
2008	200	280

Output #4**Output Measure**

- Number of youth gaining leadership skills by serving on boards related to 4-H camp, clubs/groups, and/or foundations.

Year	Target	Actual
2008	50	153

Output #5**Output Measure**

- Number of adults gaining leadership skills by serving on boards related to 4-H camp, clubs/groups, and/or foundations partnering with youth.

Year	Target	Actual
2008	150	254

Output #6**Output Measure**

- Number of adult volunteers serving in middle management roles for 4-H.

Year	Target	Actual
2008	300	209

Output #7**Output Measure**

- Number of youth enrolled in 4-H clubs/groups participating in activities to develop subject matter competency.

Year	Target	Actual
2008	1500	4098

Output #8**Output Measure**

- Number of adult volunteers supporting traditional or classic 4-H clubs/groups participating in activities to develop subject matter competency.

Year	Target	Actual
2008	1000	1094

Output #9**Output Measure**

- Number of youth engaged in activities which effect or change their community.

Year	Target	Actual
2008	1000	2023

Output #10**Output Measure**

- Number of adult volunteers who partner with youth to engage in activities which effect or change their community.

Year	Target	Actual
2008	50	981

Output #11**Output Measure**

- Youth involved in presentations through State or County Activities Days, workshops, as community club officers, interviews or as committee members

Year	Target	Actual
2008	500	587

Output #12**Output Measure**

- Adult volunteers who help youth involved in presentations through State or County Activities Days, workshops, as community club officers, interviews or as committee members

Year	Target	Actual
2008	100	767

Output #13**Output Measure**

- Number of volunteers who are screened, receive orientation and training in positive youth development concepts for 4-H clubs/groups

Year	Target	Actual
2008	200	230

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.
2	Percent of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.
3	Percent of NH youth enrolled in 4-H YD who explore career aspirations related to their 4-H experience
4	Percent of NH 4-H YD new volunteers who demonstrate an increase in their understanding and use of positive youth development concepts when working with youth.
5	Percent of the NH 4-H YD middle management volunteers who gain knowledge and practice skills to master specific leadership roles.
6	Percent of volunteers on UNHCE targeted boards, committees and collaborations who report increased recognition of the value of youth on their boards
7	4-H Afterschool Programs
8	4-H Camp Staff Training: Lifeskills and Workforce Preparation for Young Adults
9	Crosscutting: Percent of NH youth involved in 4-HYD programs who demonstrate on increase in specific life skills. Percent of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter. Percent of NH youth enrolled in 4-H YD who explore career aspirations related to their 4-H experience.
10	Operation Military Kids (OMK)

Outcome #1**1. Outcome Measures**

Percent of NH youth involved in 4-H YD programs who demonstrate an increase in specific life skills.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	60	68

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

See crosscutting narrative

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
802	Human Development and Family Well-Being

Outcome #2**1. Outcome Measures**

Percent of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	60	81

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

See crosscutting narrative

What has been done**Results**

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #3

1. Outcome Measures

Percent of NH youth enrolled in 4-H YD who explore career aspirations related to their 4-H experience

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	25	54

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #4

1. Outcome Measures

Percent of NH 4-H YD new volunteers who demonstrate an increase in their understanding and use of positive youth development concepts when working with youth.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	80	100

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Seventy new 4-H volunteers were screened, provided with orientation, and all were successful in completing the project year with their respective 4-H groups.

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
805	Community Institutions, Health, and Social Services
806	Youth Development

Outcome #5

1. Outcome Measures

Percent of the NH 4-H YD middle management volunteers who gain knowledge and practice skills to master specific leadership roles.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	0	31

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development
805	Community Institutions, Health, and Social Services

Outcome #6

1. Outcome Measures

Percent of volunteers on UNHCE targeted boards, committees and collaborations who report increased recognition of the value of youth on their boards

Not reporting on this Outcome for this Annual Report

Outcome #7

1. Outcome Measures

4-H Afterschool Programs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Working parents want their children to be in safe afterschool environments with opportunities to make friends, complete homework, develop talents, and try new things. Most U.S. voters (89%) agree that after-school programs are important given the dangers young people face today, and 58% strongly agree these programs are 'an absolute necessity'.

http://afterschoolalliance.org/advocate.cfm?story_id=4001026

Quality out-of-school programs help children do better on work habits and academic achievement.

What has been done

State and national 4-H programs aim to increase the quality and quantity of positive out-of-school time opportunities for children and youth. 4-H Youth Development educators provide after-school staff and administrators with training and technical assistance related to positive youth development, program and curriculum, collaboration, nutrition education, family involvement, and sustainability. They also collaborate with schools and community groups to access critical resources to establish, enhance and/or sustain programs. The addition of 4-H to the after-school environment helps to enrich programs with three critical elements of positive youth development programs:

- Positive and sustained relationships between adults and youth
- Activities that build important life skills
- Opportunities for children to use these skills as both participants and as leaders in valued community activities.

An ultimate goal of New Hampshire's 4-H After-school program is to make 4-H more accessible to all youth by creating 4-H clubs and integration with ongoing county and state 4-H opportunities. Partnership agreements with after-school programs outline strategies for programs to become more engaged with 4-H as a youth development organization.

4-H curriculum is used in many afterschool programs, providing a quality experience for youth. With support from the UNH 4-H Foundation two curriculum kits were created and piloted - 4-H Microwave Magic and 4-H Flight Command Central. Twenty-two (22) Extension staff participated in train-the-trainer sessions on each curriculum kit. These educators in turn trained 241 adults and 4 youth from 45 after-school programs or 4-H clubs, exceeding the project goal of 200 providers and volunteers.

Results

Staff training and development is an increasing role for UNHCE staff in local communities where turn-over of after-school program staff is often high. Statewide in the 2007-08 program year, 309 afterschool providers and administrators, and 138 after school volunteers received training on positive youth development, essential elements of quality programs, and/or 4-H curriculum. The afterschool programs served by these providers reach at least 1,408 children and youth, grades K-12, with 4-H programs and activities. In addition to training, the ongoing technical assistance provided to after-school programs takes many forms, including training, self-assessment and reorganizing programs to meet many needs.

- Following a very poor site visit by the Child Care Resource & Referral reviewer, the UNH Cooperative Extension 4-H Educator provided 3 staff trainings, a staff performance assessment tool, and ongoing consultation with the site director. In a follow-up site visit the reviewer stated 'Whatever you are doing now, keep doing it as the program is now on the right track.' -Site Administrator, Gilsum, Cheshire County

A survey of 28 Grafton County after-school providers and volunteers who participated in curriculum kit training found that while 75% (n = 21) were familiar with the curriculum before the training, 96% (n = 27) agreed or strongly agreed they had 'gained knowledge or skills'. Most participants (89%, n = 25) agreed or strongly agreed they will 'use what I learned today in my future work with youth'. All participants agreed or strongly agreed the information was useful, and they would recommend the training to others. 86% (n = 24) responded that 'as a result of this program I will adopt at least 1 new practice in my work with youth'. These new practices included: setting the stage for 4-H time in after-school, offering microwave cooking, using a critical thinking activity modeled after 4-H judging practices, sharing the 4-H Life skills Wheel with volunteers and using the portfolio with children, using the straw rockets activity, setting up the room as 'operation space control central', accessing the NASA web site, incorporating teamwork in the aerospace lessons, and getting youth to think about how what they are doing connects to the 4-H clover.

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

Outcome #8

1. Outcome Measures

4-H Camp Staff Training: Lifeskills and Workforce Preparation for Young Adults

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

America needs a well-prepared work force with citizens and community leaders who have connections, and positive relationships (Belonging); demonstrate empathy and concern for others (Generosity); acquire the knowledge, skills, confidence and motivation to solve problems and set and achieve goals (Mastery); and accept meaningful roles and responsibilities (Independence).

What has been done

UNH 4-H Camps strive to prepare young adults to be effective staff members while learning and practicing critical workforce skills. During 2008, thirty-one (31) young adult staff members participated in three to 12 days of staff training, depending on their role in camp with those in leadership roles involved in the full training schedule. Sessions incorporated the essential elements of quality programs and positive youth development, risk management, and knowledge and skills to provide appropriate support and guidance for the diverse camper population. Through training and the summer experience, staff members develop important work skills. This is an often overlooked outcome of youth camps.

Results

Almost two-thirds of the 2008 staff had no prior experience working at UNH 4-H Camps (61%), a significant change from two previous summers when there were less than one-quarter of staff with no prior experience at this camp (20% in 2006, 23% in 2007). Ten percent of the 2008 staff (10%, n=3) had just one summer of previous experience. Six staff had between three and five years of prior experience working at UNH 4-H Camps (n=6, 19%), and three had five or more years experience (n=3, 10%).

At the end of staff training in June all staff felt confident enough to either strongly agree (n=20, 65%) or agree (n=10, 35%) that I know what is expected of me in my position. A majority (84%) of staff strongly agreed with this statement at the end of the summer.

At the end of the 2008 staff training in June most staff (87% pretest) felt confident enough to either strongly agree (29%) or agree (58%) that staff training prepared me for my role at camp. On the posttest, most staff (89%) still either strongly agreed (42%) or agreed (47%) with this statement.

A majority of staff (96%) were in agreement with the statement I have read and understand the staff policy manual on pretest (48% strongly agree, 48% agree), and all staff (100%) were in agreement on posttest (68% strongly agree, 32% agree). This is significant progress from previous years.

A majority of staff on pretest (94%) were in agreement with the statement I know my role if there is a waterfront emergency or drill (55% strongly agree, 39% agree). All staff (100%) had gained experience and confidence, and were in agreement on posttest (63% strongly agree, 37% agree).

By the end of the season, most staff (90%) strongly agreed (37%) or agreed (53%) with the statement I know how to use 4-H teaching methods to reinforce learning. Most staff (87%) were in agreement at the start of the camp season (39% strongly agree, 48% agree).

On the pretest most staff (87%) either strongly agreed (39%) or agreed (48%) with the statement I know how to encourage campers to appreciate the natural environment. On posttest, 94% of staff was in agreement, with many more strongly agreeing (68% strongly agree, 26% agree).

All staff (100%) agreed on both pretest and posttest with the statement I contribute to positive staff morale, with slightly fewer strongly agreeing at the end of the summer (pretest - 71% strongly agree, posttest - 63% strongly agree).

On the pretest, a high number of staff (96%) either strongly agreed (77%) or agreed (19%) that I can monitor my own behavior to ensure I am a positive role model. All staff (100%) either strongly agreed (74%) or agreed (26%) on the posttest.

A majority of staff members either strongly agreed (42%) or agreed (48%) with the statement I know ways to diffuse tension in a difficult / challenging situation at the start of the summer. This improved slightly over the summer (47% strongly agreed, and 47% agreed).

All staff agreed on both pretest and posttest with the statement I know how to recognize and respond to bullying, indicating confidence with a critical issue among today's youth. On the pretest, 65% strongly agreed, and 35% agreed. On the posttest, 53% strongly agreed, and 47% agreed.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development

Outcome #9

1. Outcome Measures

Crosscutting: Percent of NH youth involved in 4-HYD programs who demonstrate an increase in specific life skills. Percent of youth/adults who demonstrate an increase in knowledge and skills related to specific projects and/or subject matter. Percent of NH youth enrolled in 4-H YD who explore career aspirations related to their 4-H experience.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

The development of critical life skills is universally recognized as a primary task of childhood and adolescence in preparation for healthy and productive futures. Without the basic skills of effective communication, goal setting, decision making, problem solving, and conflict resolution, young adults have a difficult time acquiring and retaining employment, living on their own, and starting a family. Creating supportive environments where young people have a sense of belonging and a desire to grow in knowledge and skill has become increasingly complex. New Hampshire's rapid population growth in the past decade (+127,000 people from 1990-2000), overcrowding in schools, rising drop out rates, immigration and language barriers, and economic challenges at all levels contribute to the need for effective community youth programs.

What has been done

The conceptual foundation of the 4-H program is positive youth development. Three critical elements of this framework include:

- o Positive and sustained relationships between adults and youth
- o Activities that build important life skills
- o Opportunities for children to use these skills as both participants and as leaders in valued community activities.

Through 4-H, screened and trained volunteer leaders guide youth in acquiring and practicing critical life skills in safe program environments that meet the basic needs of youth for belonging, mastery, independence and generosity. Critical program components used in New Hampshire's 4-H Youth Development program to achieve these goals include juried 4-H curriculum, educational events and activities, and varied delivery methods including 4-H clubs, afterschool programs, and camps. UNH Cooperative Extension staff provides 4-H volunteers with program orientation, ongoing training and curriculum resources related to project areas and core life skills.

Results

The 2008 Annual 4-H Group Activity Reports (GAR) were completed and submitted by 4-H volunteer leaders from 164 (50%) of the state's 326 organized 4-H clubs. These volunteers reported on 1,893 (56%) of the state's 3,392 youth enrolled in organized New Hampshire 4-H clubs.

BELONGING (Heart) Youth develop personal and social skills in 4-H when they are in safe environments with positive adults, and have opportunities to participate in a variety of experiences with diverse people.

- o One-quarter of 4-H youth applied leadership skills (26%, n=487); one-quarter served as an officer (25%, n=472); and 16% served on a committee (n=301) at the local, county, and/or state level at some time during the program year. Examples include serving as an officer in their 4-H group, mentoring younger members as a junior leader, organizing a special activity, and assuming a major responsibility during an event or activity.
 - o A majority of 4-H youth participated in at least one county 4-H event (79%, n=1,501) and one in five participated in at least one state event (20%, n=381). These activities reinforced a sense of belonging to something larger than their own local 4-H group. They also provided opportunities for youth to gain experience meeting youth from other communities, learn how to be part of an organized activity, and share knowledge and skills with others
- MASTERY (Health)** 4-H projects enhance physical and mental skills and enable youth to explore possible careers while learning about areas of interest to them. The 4-H subject materials are developed through a national juried curriculum process using current research and practices.
- o 86% of 4-H youth received new information (n=1,629) through 4-H. According to the volunteers, most 4-H youth gained knowledge (89%, n=1,685) suggesting these youth are also learning through their 4-H experiences and self-study.
 - o 82% of 4-H youth learned a new skill (n=1,550). Volunteers also report 78% improved skills (n=1,484), while 69% were able to demonstrate skills learned (n=1,309) through 4-H.
 - o 62% of 4-H youth took their 4-H experience to a higher level of mastery and successfully adopted new skills (n=1,170) they had learned through 4-H.
 - o For half of the 4-H youth, their experiences in 4-H raised aspirations (55%, n=1,047) for their future as they gained confidence and tried new things.
 - o One-quarter of 4-H youth developed important workforce preparation skills as they documented their 4-H effort (25%, n=472) through record-keeping activities and/or preparing a resume.

INDEPENDENCE (Head) Youth develop cognitive and creative skills in 4-H as they learn to make thoughtful decisions, accept responsibility, exercise self-discipline, and influence others.

- o 4-H volunteers believe half of 4-H youth influenced others (50%, n=954) and made an impact on others (52%, n=987). This is often a result of changes in behavior as youth accept responsibility and become a role model for younger 4-H members. It can also extend to greater influence over peers and family members.
- o 43% of 4-H youth influenced the community through their 4-H work (n=821), and half made a noticeable impact on the community (49%, n=933). 4-H helps young people to become respected members of their school and larger community who are listened to when they pose their ideas, concerns and suggestions for improving systems and programs.

GENEROSITY (Hands) 4-H provides opportunities for youth to learn and practice vocational and citizenship skills in activities that connect them as contributing members of their peer group, family, school and larger community.

- o 4-H provides youth with community service learning opportunities that help them learn responsibilities of citizenship and become contributing and connected members of society. Over three-quarters of the reporting groups (82%, n =121) indicated the group members had planned and completed one or more community service projects during the past year.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development
805	Community Institutions, Health, and Social Services

Outcome #10

1. Outcome Measures

Operation Military Kids (OMK)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

When National Guard, Reserve, and other military families living in civilian communities become mobilized, their children experience the stresses of being a military youth. These children have unique needs for special support and services, even though they still 'look the same' to their friends and community. In civilian communities, these military youth tend to lack the support networks and the awareness which already exist for their peers on military bases.

What has been done

The University of New Hampshire Cooperative Extension 4-H Youth Development partners with all branches of the military, American Legion, Red Cross, schools, the spiritual community, YMCA, Community Recreation Centers, Boys and Girls Clubs, PlusTime NH, and other youth and family organizations to form the outreach effort called Operation: Military Kids (OMK).

OMK team members collaborate with groups across the state, creating networks of support for military children and connecting them with other military and non-military youth through a variety of recreational, social, and educational programs. OMK raises community awareness and fosters understanding of the impact of the deployment cycle on the military member, the family, the children, and the community at large. OMK partner organizations act as resources for military children and families, while making available opportunities such as summer camps, after school programs, youth events on National Guard and Reserve facilities, and more. One notable event held in 2008 was Operation Purple Camp.

Results

Funded by a grant from the National Military Families Association, an Operation: Purple Camp was held accommodating 101 military youth from across New Hampshire and neighboring New England states. Campers participated in a simulated pre-deployment process, heard military members speak about their deployment experiences, learned flag etiquette, made cards for their parents, compiled a CD full of digital photos, and enjoyed typical summer camp activities such as swimming, archery, and campfires.

A survey of the August Operation Purple Camp 101 participants revealed, in part, the following:

- 92% of youth met people who helped them feel good about themselves
- 88% of youth met people who calmed them down when they were nervous
- 90% of youth met people who listened if they were upset or had a problem
- 94% of youth met people who helped them when they needed it
- 90% of youth met people who understood their feelings
- 94% of youth met people who they were able to help
- 83% of youth met people who they plan to keep in touch with
- 79% of youth met people who they could contact for help in the future.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development
805	Community Institutions, Health, and Social Services

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Populations changes (immigration,new cultural groupings,etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)
- Before-After (before and after program)

Evaluation Results

Key Items of Evaluation

Program #4

V(A). Planned Program (Summary)

1. Name of the Planned Program

Civic Participation and Leadership

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
805	Community Institutions, Health, and Social Services	50%			
806	Youth Development	30%			
903	Communication, Education, and Information Delivery	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.2	0.0	0.0	0.0
Actual	1.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
15285	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
15285	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
173991	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Activities and outcomes from this planned program will be combined with our Strengthening New Hampshire Communities Planned Program in the future. As a result, many of the output and outcome measures are not reported on here.

- Facilitation/leadership skills course: Provide yearly skills courses of two to five sessions to community leaders in group facilitation, participatory planning techniques and leadership

- Global Positioning System (GPS) Training: Provide training to community groups on using global positioning systems to map community assets

- Participatory Planning: Provide assistance/training for communities to implement participatory planning processes (i.e. Community Profiles, Master Plan visioning, visioning for the arts, youth-adult partnerships, juvenile justice, accessible agriculture)

- Inventory Citizen Engagement/Leadership Resources: Gather and post resources on web that focus on engaging citizens and building leadership capacity

1. inventory of current resources
2. analysis of quality of resources
3. determine how to best disseminate information

2. Brief description of the target audience

Particular emphasis will be made to include formal, informal, and potential community leaders and disenfranchised audiences (low-income, minority, individuals with disabilities).

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	130	1100	150	0
2008	123	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs**Output Target****Output #1****Output Measure**

- Number of community leaders who complete a facilitation/leadership skills course

Year	Target	Actual
2008	20	42

Output #2**Output Measure**

- Number of youth who complete a teen lifeskills training
Not reporting on this Output for this Annual Report

Output #3**Output Measure**

- Number of adults who complete a teen lifeskills training
Not reporting on this Output for this Annual Report

Output #4**Output Measure**

- Number of Adults involved with Community/Youth Asset Mapping
Not reporting on this Output for this Annual Report

Output #5**Output Measure**

- Number of youth involved with Community/Youth Asset Mapping
Not reporting on this Output for this Annual Report

Output #6**Output Measure**

- Number of people receiving Global Positioning System (GPS) Training

Year	Target	Actual
2008	15	773

Output #7**Output Measure**

- Number of people receiving newsletters with Voting Media Campaign information on the importance of voting.
Not reporting on this Output for this Annual Report

Output #8**Output Measure**

- Number of youth completing Youth As Partners: Support Youth as Partners training initiatives in NH
Not reporting on this Output for this Annual Report

Output #9**Output Measure**

- Number of adults completing Youth As Partners: Support Youth as Partners training initiatives in NH
Not reporting on this Output for this Annual Report

Output #10**Output Measure**

- Number of people viewing web-based Inventory Citizen Engagement/Leadership Resources

Year	Target	Actual
2008	100	531

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.
2	Number of groups/organizations that work with youth and adult leaders to engage diverse citizens in community decision-making and needs assessment
3	Number of communities that form youth-adult partnerships and seek the Civic Participation and Leadership Team's assistance
4	Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)
5	Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions
6	Number of community leaders who learn skills to more effectively lead groups/organizations
7	Number of communities that build a knowledge base of resources for building civic engagement and leadership
8	Number of community leaders who learn processes and techniques for engaging citizens in community decision-making

Outcome #1

1. Outcome Measures

Number of groups/organizations around the state that network more effectively and share resources, expertise, and assistance with other groups. This will enable groups to provide more needed services to individuals and communities.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	20	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery
805	Community Institutions, Health, and Social Services

Outcome #2

1. Outcome Measures

Number of groups/organizations that work with youth and adult leaders to engage diverse citizens in community decision-making and needs assessment
Not reporting on this Outcome for this Annual Report

Outcome #3

1. Outcome Measures

Number of communities that form youth-adult partnerships and seek the Civic Participation and Leadership Team's assistance
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Number of groups around the state to implement participatory decision-making processes as a result of Civic Participation and Leadership Team activities (i.e. Master Plan Visioning Session, Community Profile Action Planning, strategic planning)

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	20	12

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #5

1. Outcome Measures

Number of groups that learn to collaborate more effectively to form partnerships and/or community coalitions

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	20	12

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #6

1. Outcome Measures

Number of community leaders who learn skills to more effectively lead groups/organizations

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	14

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

Outcome #7

1. Outcome Measures

Number of communities that build a knowledge base of resources for building civic engagement and leadership

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	20	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
903	Communication, Education, and Information Delivery

Outcome #8

1. Outcome Measures

Number of community leaders who learn processes and techniques for engaging citizens in community decision-making

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	103

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services

V(H). Planned Program (External Factors)**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation**V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

Evaluation Results**Key Items of Evaluation**

Program #5

V(A). Planned Program (Summary)

1. Name of the Planned Program

Strengthening New Hampshire Communities

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
131	Alternative Uses of Land	20%			
608	Community Resource Planning and Development	30%			
802	Human Development and Family Well-Being	30%			
805	Community Institutions, Health, and Social Services	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.4	0.0	0.0	0.0
Actual	3.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
45856	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
45856	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
521972	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Community Profiles: Community Profiles, a community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future. In addition to working with communities to organize and facilitate Community Profiles, SNHC staff provide follow-up technical assistance to community action teams working on specific projects

Participatory Planning: Provide assistance/training to enable communities to implement participatory planning processes (i.e. Master Plan visioning, visioning for the arts, youth-adult partnerships, juvenile justice, and accessible agriculture).

Economic and Tourism Development Assistance: SNHC Team members provide technical and planning assistance to local economic development corporations, regional economic entities and tourism development groups to enhance their decision-making with regard to tourism and economic development plans, projects and activities.

Web-Based Community Planning Tools: The SNHC team is developing a suite of web-based tools that will enable community decision-makers to conduct community assessments, inform community decisions and implement community-based plans. Examples of tools include the Community Capacity Assessment and the Land Use Resource Clearinghouse.

2. Brief description of the target audience

Formal and informal community leaders -organizational leaders, town officials, entrepreneurs
teens and middle school youth

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	780	200	20	0
2008	1315	48	829	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of community members who take part in community profile workshops (a community-level strategic planning program enables diverse community citizens to come together and map out their desired future and develop an action plan to achieve that future)

Year	Target	Actual
2008	500	151

Output #2**Output Measure**

- Number of adults provided with assistance/training to enable their communities to implement participatory planning processes (i.e. Master Plan visioning, visioning for the arts, youth-adult partnerships, juvenile justice, and accessible agriculture)

Year	Target	Actual
2008	250	649

Output #3**Output Measure**

- Number of youth provided with assistance/training to enable their communities to implement participatory planning processes (i.e. youth-adult partnerships)

Year	Target	Actual
2008	20	55

Output #4**Output Measure**

- Number of members of local economic development corporations, regional economic entities, and tourism development groups provided with technical and planning assistance to enhance their decision-making with regard to tourism, and economic development plans

Year	Target	Actual
2008	30	50

Output #5**Output Measure**

- Number of community decision makers using a suite of web-based tools that will enable them to conduct community assessments, inform community decisions and implement community-based plans

Year	Target	Actual
2008	100	531

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of citizens who take on new leadership roles within their community
2	Number of steering/planning committees helped to facilitate a minimum of 10 Community Profiles/thematic processes that create a minimum of 30 action groups
3	Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space
4	Number of communities to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed
5	Number of communities that form youth-adult partnerships through mapping social services. These partnerships provide workforce opportunities for youth that prevents youth migration.
6	Number of community leaders who develop a new understanding of the issues facing their community
7	Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities
8	Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies
9	Number of youth who gain knowledge of social, health, nutrition and employment opportunities available to them in their own communities
10	Number of adults who gain knowledge about existing resources for youth as well as resource gaps
11	Crosscutting narrative

Outcome #1**1. Outcome Measures**

Number of citizens who take on new leadership roles within their community

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
802	Human Development and Family Well-Being

Outcome #2**1. Outcome Measures**

Number of steering/planning committees helped to facilitate a minimum of 10 Community Profiles/thematic processes that create a minimum of 30 action groups

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	11

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

Outcome #3

1. Outcome Measures

Number of action groups/committees that utilize UNH Cooperative Extension expertise in partnership with other agencies/organizations around the state to preserve and conserve open space

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	15	34

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
131	Alternative Uses of Land
608	Community Resource Planning and Development

Outcome #4

1. Outcome Measures

Number of communities to implement mechanisms/tools to analyze the current situation and identify emerging issues to be addressed

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	15	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development

Outcome #5

1. Outcome Measures

Number of communities that form youth-adult partnerships through mapping social services. These partnerships provide workforce opportunities for youth that prevents youth migration.

Not reporting on this Outcome for this Annual Report

Outcome #6

1. Outcome Measures

Number of community leaders who develop a new understanding of the issues facing their community

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	14

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

Outcome #7

1. Outcome Measures

Number of action groups/committees that engage diverse audiences in planning for the economic viability of their communities

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	2

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

Outcome #8

1. Outcome Measures

Number of citizens and community leaders who develop a better understanding of local land use planning and zoning policies

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	350

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development
131	Alternative Uses of Land

Outcome #9

1. Outcome Measures

Number of youth who gain knowledge of social, health, nutrition and employment opportunities available to them in their own communities
Not reporting on this Outcome for this Annual Report

Outcome #10

1. Outcome Measures

Number of adults who gain knowledge about existing resources for youth as well as resource gaps
Not reporting on this Outcome for this Annual Report

Outcome #11

1. Outcome Measures

Crosscutting narrative

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

New Hampshire communities face challenges such as changing demographics, shifting economic structures, societal crises, unprecedented growth in some regions, and decline in others. As a result of these and other challenges, community leaders are forced to make decisions about policies, plans, and projects that will impact the long-term health and well-being of their communities. Yet, community leaders struggle to engage citizens in decision-making.

What has been done

Extension provides leadership for the Strengthening New Hampshire Communities Initiative (SNHC). The goal of SNHC is to help communities to achieve long-term well-being by building their human, economic, social, and environmental capacity and to help them to engage the public in decision-making processes. Examples of these educational services include organization and facilitation of community forums, group process/facilitation training, assistance with community planning, and provision of technical assistance in community and economic development activities.

Results

Community Profiles: Extension provided facilitation assistance for two Community Profiles in New Hampshire (Epping and Rumney). Together, these Profiles engaged over 300 individuals. As well, we worked with the Epping Profile Steering Committee post Profile to help them refine their plan and assisted three Community Profile Action Committees in Epping to help them to implement their plans. Outcomes include revisions to the Rumney Master Plan, the development of a newsletter in Epping, and the creation of a Volunteer network in Epping.

Master Plan Public Participation Process: Extension staff helped the cities/towns of Andover, Claremont, and North Hampton conduct Master Plan Public input processes during the Winter and Fall of 2007. Each community was helped to form a Master Plan Advisory Committee, establish goals/objectives, conduct Master Plan Visioning forums, collect and synthesize trend data, and implement Master Plan surveys. As a result of the Master Plan public input processes, each of the respective communities has revised/updated their Master Plan with public buy-in. As well, the Planning Boards have become reinvigorated the board with new members and new volunteers and committees have been mobilized to work on Master Plan related issues.

4. Associated Knowledge Areas

KA Code	Knowledge Area
608	Community Resource Planning and Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)
- Case Study

Evaluation Results

Key Items of Evaluation

Program #6

V(A). Planned Program (Summary)

1. Name of the Planned Program

Excellence in Extension Teaching

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
903	Communication, Education, and Information Delivery	100%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	0.0	0.0
Actual	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

This planned program was discontinued.

2. Brief description of the target audience

This planned program was discontinued.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	80	170	0	0
2008	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of staff who complete a survey regarding professional development needs including cultural competency and reflective practices
Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of staff who participate in staff development opportunities in cultural competence, reflective practice or other subjects designed to improve UNHCE teaching and learning
Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of staff who adopt the professional development framework around cultural competence and reflective practice
Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent of Extension participants who articulate that adaptive methods were used to meet their needs
2	Percent of UNHCE staff who document the use of adaptive methods to meet the needs of diverse audiences collected through participant program evaluation, Program leader annual review, observation and self-reflection
3	Percent of UNHCE staff who encourage participants to articulate their own educational needs and learning styles and their understanding of educational content
4	Percent of UNHCE staff who articulate their individual theory of teaching and learning
5	Percent of UNHCE staff who define their own cultural perspective and how it impacts their work as Extension Educators, in annual performance evaluation, identifying at least one bias and developing a plan to address it
6	Percent of UNHCE staff who seek and use new internal and external professional development opportunities to learn and gain skills

Outcome #1

1. Outcome Measures

Percent of Extension participants who articulate that adaptive methods were used to meet their needs
Not reporting on this Outcome for this Annual Report

Outcome #2

1. Outcome Measures

Percent of UNHCE staff who document the use of adaptive methods to meet the needs of diverse audiences collected through participant program evaluation, Program leader annual review, observation and self-reflection
Not reporting on this Outcome for this Annual Report

Outcome #3

1. Outcome Measures

Percent of UNHCE staff who encourage participants to articulate their own educational needs and learning styles and their understanding of educational content
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Percent of UNHCE staff who articulate their individual theory of teaching and learning
Not reporting on this Outcome for this Annual Report

Outcome #5

1. Outcome Measures

Percent of UNHCE staff who define their own cultural perspective and how it impacts their work as Extension Educators, in annual performance evaluation, identifying at least one bias and developing a plan to address it
Not reporting on this Outcome for this Annual Report

Outcome #6

1. Outcome Measures

Percent of UNHCE staff who seek and use new internal and external professional development opportunities to learn and gain skills
Not reporting on this Outcome for this Annual Report

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Competing Public priorities
- Populations changes (immigration,new cultural groupings,etc.)

Brief Explanation

This planned program was discontinued.

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)

Evaluation Results

This planned program was discontinued.

Key Items of Evaluation

This planned program was discontinued.

Program #7

V(A). Planned Program (Summary)

1. Name of the Planned Program

Family and Consumer Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	20%			
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	20%			
724	Healthy Lifestyle	20%			
801	Individual and Family Resource Management	20%			
802	Human Development and Family Well-Being	20%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	27.0	0.0	0.0	0.0
Actual	28.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
427983	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
427983	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
4871735	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Nutrition Connections - educational courses to income eligible New Hampshire residents' - ability to meet nutritional needs through available resources. Includes EFNEP (Expanded Food and Nutrition Education Program) and FSNEP (Food Stamp Nutrition Education Program.)
- Lighten Up NH! - a statewide initiative of UNHCE that will identify, organize and integrate the diversity of human, educational, and environmental resources involving obesity prevention and reduction in New Hampshire. Specifically a new website will be developed and marketed.
- ServSafe®, SAFE (Safety Awareness in the Food Environment)
- Food safety programming in Nutrition Connections - educational courses to income eligible New Hampshire residents on how to handle, prepare and store food safely
- Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; Cradle Crier and Toddler Tales (age- paced newsletters); Single topic sessions including Positive Discipline, Raising Your Child's Self- Esteem.
- Better Kid Care, Promoting the Social Emotional Competence of Young Children, Collaborations with NH Resource and Referral Agencies. Prepare for Eldercare - Cooperative Extension and AARP working together with local partners to develop effective delivery mechanisms to reach out to family caregivers with limited incomes and those whose care recipients may have limited incomes and resources
- Family Impact Seminars for NH legislators and other decision makers
- Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, Investing for Your Future, Legally Secure Your Financial Future, High School Financial Planning.

2. Brief description of the target audience

Parents, child care providers, policy makers, human service agencies, families, youth, and food service workers

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	9000	200000	1750	0
2008	69198	20066	5949	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs**Output Target****Output #1****Output Measure**

- Percent increase in web usage of Lighten Up! New Hampshire web site

Not reporting on this Output for this Annual Report

Output #2**Output Measure**

- Number of people who participate in ServSafe® workshops, SAFE (Safety Awareness in the Food Environment)

Year	Target	Actual
2008	700	1320

Output #3**Output Measure**

- Number of low-income adults participating in Nutrition Connections - educational courses to income eligible New Hampshire residents - Includes EFNEP (Expanded Food and Nutrition Education Program) and FSNEP (Food Stamp Nutrition Education Program)

Year	Target	Actual
2008	1040	4258

Output #4**Output Measure**

- Number of people participating in Better Kid Care, Promoting the Social Emotional Competence of Young Children, Collaborations with NH Resource and Referral Agencies

Year	Target	Actual
2008	1200	401

Output #5**Output Measure**

- Number of people who participate in Prepare for Eldercare programs

Not reporting on this Output for this Annual Report

Output #6**Output Measure**

- Number of youth participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future

Year	Target	Actual
2008	375	3330

Output #7**Output Measure**

- Number of adults participating in Making Money Work for You, Planning Ahead...Staying Ahead, Credit Check Up, Debt Check Up, Starting Over Bankruptcy Education, Take the Road to Financial Security in Later Life, or Investing for Your Future

Year	Target	Actual
2008	375	1404

Output #8**Output Measure**

- Number of adults participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents on how to eat healthier on a limited budget

Year	Target	Actual
2008	525	326

Output #9**Output Measure**

- Number of youth participating in food safety programming through Nutrition Connections - educational courses to income eligible New Hampshire residents on how to eat healthier on a limited budget

Year	Target	Actual
2008	875	1466

Output #10

Output Measure

- Number of people participating in Parenting Education such as Strengthening Families 10- 14, Dare To Be You, Family Focus, Supportive Connections for Single Parent Families, Stepfamilies, Relatives as Parents; receiving Cradle Crier and Toddler Tales

Year	Target	Actual
2008	7000	20066

Output #11

Output Measure

- Number of NH legislators and other decision makers attending Family Impact Seminars

Year	Target	Actual
2008	0	249

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Percent of program participants who report utilizing effective practices that lead to quality child care experiences
2	Percent of money management education participants who document their improved money management practices on evaluation instruments
3	Percent of program participants who report their intention to apply their understanding of general developmental milestones and progressions in ways that support their child's progress - socially, emotionally, physically, and intellectually
4	Number of participants who report an increase in their physical activity
5	Percent of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group
6	Number of participants who adopt one or more healthier food/nutrition practices (choose foods according to MyPyramid and the Dietary Guidelines)
7	Percent of participants who report eating nearer to MyPyramid amounts (unspecified)
8	Percent of participants who report keeping food at safe temperatures
9	Percent of participants who practice personal hygiene such as hand washing
10	Percent of program participants who report an increased ability to deal emotionally and financially with the care of aging parents, relatives and friends
11	Number of participants who have the ability to have foods readily available for self and family
12	Percent of program participants who document an increase in their financial literacy on evaluation instruments
13	Number of counties where resource and referral agencies make Better Kid Care training available
14	Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines
15	Percent of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination
16	Percent of New Hampshire decision makers who gain knowledge about child and family issues as a result of attending Family Policy Impact Seminars
17	CROSSCUTTING NARRATIVE: Percent of program participants who report utilizing effective practices that lead to quality child care experiences Number of counties where resource and referral agencies make Better Kid Care training available
18	CROSSCUTTING NARRATIVE: Percent of participants who report keeping food at safe temperatures Percent of participants who practice personal hygiene such as hand washing Percent of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination
19	CROSSCUTTING NARRATIVE: Percent of money management education participants who document their improved money management practices on evaluation instruments Percent of program participants who document an increase in their financial literacy on evaluation instruments
20	CROSSCUTTING NARRATIVE: Number of participants who report an increase in their physical activity Percent of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group Number of participants who adopt one or more healthier food/nutrition practices (choose foods according to MyPyramid and the Dietary Guidelines) Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines

Outcome #1**1. Outcome Measures**

Percent of program participants who report utilizing effective practices that lead to quality child care experiences

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	68

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

See crosscutting narrative #17

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #2**1. Outcome Measures**

Percent of money management education participants who document their improved money management practices on evaluation instruments

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	75	85

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

See crosscutting narrative #19

What has been done**Results**

4. Associated Knowledge Areas

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #3

1. Outcome Measures

Percent of program participants who report their intention to apply their understanding of general developmental milestones and progressions in ways that support their child's progress - socially, emotionally, physically, and intellectually

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	84

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #4

1. Outcome Measures

Number of participants who report an increase in their physical activity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	1750	176

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #20

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

Outcome #5

1. Outcome Measures

Percent of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	62

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #20

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

Outcome #6

1. Outcome Measures

Number of participants who adopt one or more healthier food/nutrition practices (choose foods according to MyPyramid and the Dietary Guidelines
Not reporting on this Outcome for this Annual Report

Outcome #7

1. Outcome Measures

Percent of participants who report eating nearer to MyPyramid amounts (unspecified)
Not reporting on this Outcome for this Annual Report

Outcome #8

1. Outcome Measures

Percent of participants who report keeping food at safe temperatures

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	60

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #18

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #9

1. Outcome Measures

Percent of participants who practice personal hygiene such as hand washing

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	60

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #18

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #10**1. Outcome Measures**

Percent of program participants who report an increased ability to deal emotionally and financially with the care of aging parents, relatives and friends

Not reporting on this Outcome for this Annual Report

Outcome #11**1. Outcome Measures**

Number of participants who have the ability to have foods readily available for self and family

Not reporting on this Outcome for this Annual Report

Outcome #12**1. Outcome Measures**

Percent of program participants who document an increase in their financial literacy on evaluation instruments

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	85	94

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

See crosscutting narrative #19

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
801	Individual and Family Resource Management

Outcome #13**1. Outcome Measures**

Number of counties where resource and referral agencies make Better Kid Care training available

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	7

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #17

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #14

1. Outcome Measures

Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	2200	1874

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #20

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle

Outcome #15

1. Outcome Measures

Percent of program participants who score 75% or greater on knowledge tests of high risk practices including: * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	80	93

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

See crosscutting narrative #18

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #16

1. Outcome Measures

Percent of New Hampshire decision makers who gain knowledge about child and family issues as a result of attending Family Policy Impact Seminars
Not reporting on this Outcome for this Annual Report

Outcome #17

1. Outcome Measures

CROSSCUTTING NARRATIVE: Percent of program participants who report utilizing effective practices that lead to quality child care experiences Number of counties where resource and referral agencies make Better Kid Care training available

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Strong families raise children to become responsible, productive and caring adults. Parents, from diverse backgrounds and with diverse strengths and weaknesses, sometimes need education to help them become effective parents. Parents often worry about finding childcare or interacting with childcare providers. In 2003, one in five New Hampshire children lived in families headed by a single parent, and 22 percent of children lived in low-income families. In that same year, more than 12,000 New Hampshire children lived in extreme poverty, and 7,000 children lived in a household where no adult had worked in the past 12 months. When these risk factors are combined with a lack of child development knowledge, children can suffer. In the most recent survey taken in New Hampshire, the state substantiated 1,436 cases of child maltreatment. In that the same year 1,214 children were in state-sponsored placements because of maltreatment.

What has been done

Family and Consumer Resources (FCR) Child Development programs focus on providing parents, adult caregivers, and childcare professionals with the information and skills needed to enhance the experiences and relationships of children. Extension provides research-based information and training in a variety of formats, including single workshops, series and publications.

Educational program topics include:

understanding the stages of child development and how the environment affects growth in all areas; developing positive communication and discipline strategies; reducing stress; improving conflict resolution strategies.

Results

More than 80 percent of participants in childcare workshops reported their intent to use specific practices learned from the workshops in their childcare settings to increase the quality of their care.

100 percent of participants reported learning new skills such as 'taking more time to listen and comprehend what behaviors are and how to deal', 'not making quick judgments', 'finding alternatives to getting the best response from the boys', 'stopping and thinking before I get upset over something when I'm stressed', 'positive reinforcement methods', and 'using the word 'no' less often.'

Parents who participate in parenting classes ultimately use their new parenting knowledge and skills. Statistically, based on measured knowledge gained and behavior changed, and based on the quality of the programming, children in these families have better social/emotional skills, better academic success, and there will be less chance for neglect/abuse in these homes. This affects the children directly, the families themselves, the schools, neighborhoods, and of course ultimately the entire community and state. These children are less likely to get into trouble later, which might lead them into the juvenile justice system, and the families are less likely to need further state and federally funded services.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being

Outcome #18**1. Outcome Measures**

CROSSCUTTING NARRATIVE: Percent of participants who report keeping food at safe temperatures
 Percent of participants who practice personal hygiene such as hand washing
 Percent of program participants who score 75% or greater on knowledge tests of high risk practices including:
 * Personal hygiene * Holding/time and temperature * Cooking temperatures * Prevention of contamination

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Each year, foodborne diseases cause an estimated 76 million illnesses, 325,000 hospitalizations, and 5,000 deaths in the U.S.

As a state dependent on the tourism industry, the food service sector in New Hampshire is an important component. In 2007, there were an estimated 2,824 eating and drinking establishments in NH employing 44,300 workers. Restaurant jobs constitute 9.7% of total employment in the state. The New Hampshire food service industry has sales of \$2.2 billion dollars per year. New Hampshire regulations do not require food managers or workers to have formal training in food safety and sanitation.

What has been done

UNH Cooperative Extension Family and Consumer Resources Educators implement two food safety programs targeting food workers; SAFE (Safety Awareness in the Food Environment) and the ServSafe program of the National Restaurant Association Educational Foundation.

Seven Family and Consumer Resources Educators are certified by the National Restaurant Association's Educational Foundation as ServSafe instructors. UNH Cooperative Extension coordinates with the NH Lodging and Restaurant Association to offer ServSafe programs throughout New Hampshire. Programs are offered in both one-day and two-day formats.

Results

SAFE: 53 SAFE programs were conducted reaching 1051 food workers in NH. 979 post-workshop questionnaires were received. 912 participants (93%) scored 75% or greater on the knowledge questionnaire.

More than 50% of 482 SAFE participants completing a post-workshop practices questionnaire indicated they implemented eight food safety practices routinely.

ServSafe: 269 food managers/workers were administered the ServSafe examination and/or participated in ServSafe programs. 221 participants (82%) passed the examination with a score of 75% or greater.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins

Outcome #19

1. Outcome Measures

CROSSCUTTING NARRATIVE: Percent of money management education participants who document their improved money management practices on evaluation instruments
 Percent of program participants who document an increase in their financial literacy on evaluation instruments

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Twenty-two percent of working families in New Hampshire are economically insecure because their earnings and income fall below the basic family budget standard. According to the Center for Economic and Policy Research, this includes public work support and other public benefits. At the same time, families' personal savings rate as a percentage of disposable income has also declined since the late 1980s, according to the US Department of Commerce. In the last three years, the rate has hovered close to zero.

With the current financial crisis spreading across the country, many families face increasing financial pressure due to sudden unemployment, changes in their mortgage situation, and increased fuel costs. Families need access to reliable information as they make financial decisions, as well as education on how to develop good family finance habits.

What has been done

UNH Cooperative Extension's Family Resource Management programs focus on increasing knowledge and skills in a variety of areas, including learning how to identify and develop goals, create a spending/savings plan, understanding credit and reducing overall debt, stretching resources, and becoming a more educated consumer. UNH Cooperative Extension's curricula of Making Money Work For You, Taking Charge of Your Finances, Credit Check Up, and Don't Get Crushed By Debt along with basic budgeting workshops, have made a tangible difference in New Hampshire residents' lives.

UNH Cooperative Extension coordinates the New Hampshire Statewide EITC (Earned Income Tax Credit) Alliance where asset building coalitions and statewide partners have as their mission to increase the numbers of taxpayers getting their tax returns prepared for free with a focus of increasing the EITC for those who are eligible. The dollars gained by the individuals/households is typically spent in the communities in which they live.

In addition to money management education for adults, Family Resource Management Educators promote personal financial education for youth with the NEFE (National Endowment for Financial Education) High School Financial Planning Program, in collaboration with NH Jump\$tart Coalition.

Results

The participants stated that they signed up for the series to: increase knowledge (40%), reduce their debt (26%), and increase their savings (32%). The participants' goals relate to the three major goals of the curricula.

Program participants reported an increase from 6% to 46% who had an emergency fund after education.

Fifty nine percent of the participants initially indicated that they would half the time, always or often run out of money at the end of the month. At the conclusion of the educational experience, only 37% indicated this was true.

At the end of the educational workshops, 57% reported they had managed credit and reduced debt and 33% percent plan to. Amount saved averaged over \$201 a month.

Furthermore, fewer participants indicated they were paying bills late at the end of the workshops - 21% compared with 41% at the beginning of the workshops. This is important because paying bills late has the potential of increasing the bill due to late charges or increased interest as well as negatively affecting a person's credit rating.

There are 68 free tax preparation sites in Statewide. For Tax Year 2007, the free tax preparation sites filed 13,607 returns which results in a saving for these tax payers of \$2,041,050 using \$150 as the average cost of a return prepared by a paid preparer. In addition, these taxpayers received \$2,334,383 in Earned Income Tax Credit, \$1,192,035 in Child Tax Credit and \$10,111,262 in refunds.

4. Associated Knowledge Areas

KA Code	Knowledge Area
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802	Human Development and Family Well-Being
801	Individual and Family Resource Management

Outcome #20**1. Outcome Measures**

CROSSCUTTING NARRATIVE: Number of participants who report an increase in their physical activity Percent of participants who report eating nearer to the recommended number of cup equivalents from the Fruits and Vegetable Group Number of participants who adopt one or more healthier food/nutrition practices (choose foods according to MyPyramid and the Dietary Guidelines Number of youth who learn how to choose foods according to the Pyramid and Dietary Guidelines

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Improving the well-being of New Hampshire residents through healthy eating and active living helps individuals and families fight disease, disability, disparities in health status, and even death. Diet quality and physical activity play vital roles in overall health. In fact, research shows diet is associated with the leading causes of death, many of which are preventable, including heart disease, diabetes, obesity, and several types of cancer. Cardiovascular disease and cancer together account for almost two-thirds of all deaths in the United States. Despite the importance of diet, however, Americans fail to achieve Dietary Guideline recommendations that lower their disease risk.

Given rising rates of obesity in the Granite State, UNH Cooperative Extension remains committed to looking at ways to optimize the health of the state's residents by reducing risk factors through education focused on encouraging physical exercise and diet/healthy lifestyle choices. Individual, group and community coalitions are all ways to get important messages and education to the public. In addition, low income individuals have higher rates of overweight and obesity.

What has been done

UNH Cooperative Extension's Nutrition Connections Program, Family and Consumer Resources and 4-H Youth Development staff implement the nutrition and health programming in New Hampshire. Activities target physical activity, nutrition, community involvement and obesity awareness and prevention. The Nutrition Connections Program's mandate is to work with limited income adults, youth and families. Programming is evaluated with a pre/post survey and an analysis of foods eaten prior to and after a series of lessons.

Results

Nutrition Connections, through the national Expanded Food and Nutrition Education Program (EFNEP) and Food Stamp Nutrition Education (FSNE), saves states and families money. Multiple cost benefit analysis in several states highlight the program value and document that for every dollar invested in EFNEP, benefits can reach as high as \$10.64 from reduced health care costs. Another study showed that for every \$1 to implement the program, \$2.48 is saved on food expenditures, reducing the need for emergency food assistance.

New Hampshire data from pre/post surveys for adults taking a series of lessons show the following percentage of adults changed their behavior after they completed Nutrition Connections classes in 2007/2008:

78 percent of the adults who took a series of classes (usually 5-6 lessons), showed improvement in one or more food resource management practices. These include planning meals, comparing prices, not running out of food before the end of the month and shopping with a grocery list.

87 percent showed improvement in at least one of the following: making healthy food choices, preparing foods without adding salt, reading nutrition labels and making sure their children ate breakfast.

51 percent showed improvement in food safety such as thawing and/or storing foods properly. Food safety is critical to avoiding foodborne illness. Food-borne illness can result in days lost from work or from school and increased health care costs.

52 percent increased their fruit intake and 56 percent increased their vegetable intake. There are many positive health indicators associated with increasing fruit and vegetable consumption, such as reduced incident of heart disease.

49 percent increased their physical activity. Evidence shows that increasing physical activity results in better physical and emotional health, meaning fewer illnesses.

48 percent more often compared prices when shopping. This shows they are making smarter financial decisions and enhancing their skills with their cash/food stamps. This can result in less reliance on local resources.

95 percent ate closer to the general recommendations of the Dietary Guidelines and MyPyramid.

4. Associated Knowledge Areas

KA Code	Knowledge Area
703	Nutrition Education and Behavior
802	Human Development and Family Well-Being

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

Evaluation Results

Key Items of Evaluation

Program #8

V(A). Planned Program (Summary)

1. Name of the Planned Program

Land and Water Conservation

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	10%			
111	Conservation and Efficient Use of Water	5%			
112	Watershed Protection and Management	20%			
131	Alternative Uses of Land	20%			
133	Pollution Prevention and Mitigation	10%			
135	Aquatic and Terrestrial Wildlife	5%			
136	Conservation of Biological Diversity	10%			
205	Plant Management Systems	5%			
307	Animal Management Systems	5%			
605	Natural Resource and Environmental Economics	10%			
Total		100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.2	0.0	0.0	0.0
Actual	1.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
15285	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
15285	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
173991	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

This planned program was rolled into Forestry and Wildlife and Sea Grant and Water Resources plan. **FTE's are reported here, but all output and outcome measures are reported in other planned programs.**

2. Brief description of the target audience

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	500	2000	0	0
2008	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people who attend The Dollars and Sense of Saving Special Places workshops

Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of people provided with focused training and/or long-term assistance to communities on natural resource planning and land conservation. Includes face-to-face, newsletters and web based assistance

Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of producers, fertilizer dealers, consultants and landscapers who are encouraged to use economically and environmentally appropriate use of pesticides and fertilizers through workshops, soil tests, demonstrations, newsletters, web sites, etc.

Not reporting on this Output for this Annual Report

Output #4

Output Measure

- Number of homeowners who are encouraged to reduce phosphorus application to lawns and gardens through soil testing and garden center information

Not reporting on this Output for this Annual Report

Output #5

Output Measure

- Number of real estate agents trained about the economic value of better managed forest lands

Not reporting on this Output for this Annual Report

Output #6

Output Measure

- Number of producers and landscapers trained in IPM principles and techniques

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of landscapers who make at least one practice change as a result of completing a training class on landscaping to protect water quality
2	Number of community decision-makers who identify actions they will take to conserve the state's biodiversity
3	Percent of garden centers that carry low- or no-phosphorus fertilizers
4	Number of community leaders, volunteers and others who increase knowledge about natural resource and land conservation topics by attending ten workshops in different parts of the state
5	Number of landowners that increase knowledge about forest management, land conservation and water quality protection
6	Number of producers who increase their knowledge about managing soils to minimize environmental impacts
7	Number of realtors who learn about natural resource contributions to property values

Outcome #1

1. Outcome Measures

Number of landscapers who make at least one practice change as a result of completing a training class on landscaping to protect water quality
Not reporting on this Outcome for this Annual Report

Outcome #2

1. Outcome Measures

Number of community decision-makers who identify actions they will take to conserve the state's biodiversity
Not reporting on this Outcome for this Annual Report

Outcome #3

1. Outcome Measures

Percent of garden centers that carry low- or no-phosphorus fertilizers
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Number of community leaders, volunteers and others who increase knowledge about natural resource and land conservation topics by attending ten workshops in different parts of the state
Not reporting on this Outcome for this Annual Report

Outcome #5

1. Outcome Measures

Number of landowners that increase knowledge about forest management, land conservation and water quality protection
Not reporting on this Outcome for this Annual Report

Outcome #6

1. Outcome Measures

Number of producers who increase their knowledge about managing soils to minimize environmental impacts
Not reporting on this Outcome for this Annual Report

Outcome #7

1. Outcome Measures

Number of realtors who learn about natural resource contributions to property values
Not reporting on this Outcome for this Annual Report

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Competing Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)

Evaluation Results

Key Items of Evaluation

Program #9

V(A). Planned Program (Summary)

1. Name of the Planned Program

Extension Disaster Education Network

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	0.5	0.0	0.0	0.0
Actual	0.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

This planned program was discontinued.

2. Brief description of the target audience

This planned program was discontinued.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	100	200	0	0
2008	0	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of staff use develop and use tailor-made, accessible educational resources for the public and organizations

Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of staff who participate in professional development around emergency preparedness and Extension response

Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of new fact sheets and web site updates for dealing with disruptive events

Year	Target	Actual
2008	5	7

Output #4

Output Measure

- Number of Extension on demand web sites and print library of information and programs for disruptive event

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent increase in the number of times Extension is documented as a partner in responding to emergencies and disruptive events in NH communities
2	Number of staff who plan for disruptive events
3	Percent increase in oral and written use of EDEN components by Extension staff in NH
4	Number of meetings held in response to Tornado

Outcome #1**1. Outcome Measures**

Percent increase in the number of times Extension is documented as a partner in responding to emergencies and disruptive events in NH communities

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	5	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #2**1. Outcome Measures**

Number of staff who plan for disruptive events

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	170

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)****What has been done****Results**

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #3

1. Outcome Measures

Percent increase in oral and written use of EDEN components by Extension staff in NH
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Number of meetings held in response to Tornado

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Extension staff worked jointly to help people affected by the tornado of July 24, 2008. A web page was set up almost immediately, easily accessed at www.nhwoods.org and updated several times a day. County Foresters went door-to-door, answering questions about debris cleanup, and specialists communicated with sawmills and loggers to find out how markets might be affected. Five meetings were organized to bring community members together in one place, disseminate information and answer questions. Over 213 people attended. Communication with affected landowners is ongoing.

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Natural Disasters (drought, weather extremes, etc.)
- Public Policy changes
- Competing Programmatic Challenges

Brief Explanation

V(l). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- During (during program)

Evaluation Results

Key Items of Evaluation

Program #10

V(A). Planned Program (Summary)

1. Name of the Planned Program

Program Development and Evaluation

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
902	Administration of Projects and Programs	100%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.2	0.0	0.0	0.0
Actual	0.5	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
7643	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
7643	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
86995	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Web-based support for outcome-based program development, evaluation and reporting

One-on-one consultations with staff requiring assistance in outcome-based program development, evaluation tools, data analysis, using the on-line planning and reporting system; and writing impact reports

Email tips/newsletter on program development and evaluation topics; reporting system use; and updates to web page support

2. Brief description of the target audience

Extension professional staff

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	80	180	0	0
2008	59	180	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	1	0	
2008	1	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of staff attending in-service opportunities and training using the logic model to develop outcome-based programs, evaluation methods/tools, use of new on-line system, and writing impact statements

Year	Target	Actual
2008	60	30

Output #2**Output Measure**

- Number of staff who use web-based support for outcome-based program development, evaluation and reporting

Year	Target	Actual
2008	120	75

Output #3**Output Measure**

- Number of one-on-one consultations with staff requiring assistance in outcome-based program development, evaluation tools, data analysis, using the on-line planning and reporting system; and writing impact reports

Year	Target	Actual
2008	50	36

Output #4**Output Measure**

- Number of staff receiving email tips/newsletter on program development and evaluation topics; reporting system use; and updates to web page support

Year	Target	Actual
2008	180	180

Output #5**Output Measure**

- Number of evaluation projects of various organizational policies and programs - report results to Extension Administration. (Graduate Assistant Funding, Interdisciplinary Team policies, County Conversations with University President)

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent of UNHCE staff attending professional development workshops who use program development resources to develop, submit, and implement evaluation plans that can accomplish measuring formative and summative data for their programs.
2	Percent of staff who report using data for reports, improving programs, making decisions about future programs, or other uses
3	Percent of UNHCE Extension Educator staff who submit outcome-based plans and evaluation data according to the plans
4	Percent of UNHCE staff who attend PD&E professional development functions who show an increase in skills and knowledge on a post-workshop test designed to measure knowledge and skills in developing outcome-based programs and using appropriate evaluation methodology
5	Percent of staff using the on-line planning and reporting system who report having the appropriate skills and knowledge to plan and report outcome data using the system

Outcome #1**1. Outcome Measures**

Percent of UNHCE staff attending professional development workshops who use program development resources to develop, submit, and implement evaluation plans that can accomplish measuring formative and summative data for their programs.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	70	75

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #2**1. Outcome Measures**

Percent of staff who report using data for reports, improving programs, making decisions about future programs, or other uses

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #3

1. Outcome Measures

Percent of UNHCE Extension Educator staff who submit outcome-based plans and evaluation data according to the plans

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	95	99

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #4

1. Outcome Measures

Percent of UNHCE staff who attend PD&E professional development functions who show an increase in skills and knowledge on a post-workshop test designed to measure knowledge and skills in developing outcome-based programs and using appropriate evaluation methodology

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	75	75

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

Outcome #5

1. Outcome Measures

Percent of staff using the on-line planning and reporting system who report having the appropriate skills and knowledge to plan and report outcome data using the system

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	85	90

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
902	Administration of Projects and Programs

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Appropriations changes
- Competing Programmatic Challenges

Brief Explanation

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)
- Time series (multiple points before and after program)

Evaluation Results

Key Items of Evaluation

Program #11

V(A). Planned Program (Summary)

1. Name of the Planned Program

Natural Resource Business Institute

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
601	Economics of Agricultural Production and Farm Management	25%			
602	Business Management, Finance, and Taxation	25%			
604	Marketing and Distribution Practices	25%			
605	Natural Resource and Environmental Economics	25%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	1.0	0.0	0.0	0.0
Actual	0.5	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
7643	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
7643	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
86995	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Conduct one 13-week, intensive Natural Resources Business Institutes annually across the state for new and existing natural resource-based businesses. The institute will include forty hours of instruction, homework, and the opportunity for participants to receive college credit.

2. Brief description of the target audience

People interested in starting or already running natural resource-based businesses in New Hampshire

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	40	0	0	0
2008	25	0	0	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of people completing the Natural Resource Business Institute

Year	Target	Actual
2008	40	20

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Percent of participants who start, expand or modify a business enterprise
2	Percent of participants who are active in groups that advocate for an improved natural resource business environment
3	Percent of participants who report completing a planning worksheets on a regular basis
4	Percent of participants who indicate on a post institute survey they gained information and/or experiences to help reach their personal goals

Outcome #1**1. Outcome Measures**

Percent of participants who start, expand or modify a business enterprise

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	75

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
604	Marketing and Distribution Practices
605	Natural Resource and Environmental Economics
601	Economics of Agricultural Production and Farm Management

Outcome #2**1. Outcome Measures**

Percent of participants who are active in groups that advocate for an improved natural resource business environment

Not reporting on this Outcome for this Annual Report

Outcome #3**1. Outcome Measures**

Percent of participants who report completing a planning worksheets on a regular basis

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	15

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)**What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
601	Economics of Agricultural Production and Farm Management

Outcome #4**1. Outcome Measures**

Percent of participants who indicate on a post institute survey they gained information and/or experiences to help reach their personal goals

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	40	75

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
602	Business Management, Finance, and Taxation
605	Natural Resource and Environmental Economics
601	Economics of Agricultural Production and Farm Management

V(H). Planned Program (External Factors)**External factors which affected outcomes**

- Economy
- Competing Programmatic Challenges

Brief Explanation

V(l). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

- After Only (post program)
- Time series (multiple points before and after program)

Evaluation Results

Key Items of Evaluation

Program #12

V(A). Planned Program (Summary)

1. Name of the Planned Program

Sea Grant and Water Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
112	Watershed Protection and Management	10%			
131	Alternative Uses of Land	20%			
133	Pollution Prevention and Mitigation	30%			
135	Aquatic and Terrestrial Wildlife	25%			
307	Animal Management Systems	5%			
903	Communication, Education, and Information Delivery	10%			
Total		100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	9.5	0.0	0.0	0.0
Actual	7.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
106996	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
106996	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1217934	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Provide educational workshops on the following:

- Economic benefits of fish handling strategies aimed at enhancing product freshness and shelf-life
- Mobil fishing gear and methods to reduce sea-bed impact in the fishing industry

Assist fishermen with cooperative research projects as necessary -Act as a "match maker" to identify potential partners among commercial fishermen and researchers and assist fishermen in developing research ideas that can be incorporated into joint fishermen/scientist proposals

Conduct dockside or on-water demonstrations of innovative gear technologies and of low impact mobile fishing gear innovations

Provide focused training and long-term assistance to communities on natural resource planning and land conservation

Provide direct assistance to towns and conservation groups upon request

Conduct land conservation and natural resources workshops and other educational activities as suggested by program staff and as requested by communities and conservation groups

Plan and conduct the Saving Special Places Conference

Conduct the Natural Resources Outreach Coalition program for communities selected annually

Produce printed, presentation, web and other educational materials

Conduct workshops for garden clubs, community groups, watershed associations and others interested in sustainable landscaping practices and water resources protection - workshops will include a presentation and when possible, a practical assessment of the property where the workshop is held

Conduct activity-based Great Bay Discovery Cruisesto provide citizens with the opportunity to learn about the estuary aboard the University's research vessel

Continue to write scripts, record and monitor a low power radio station (Great Bay Area Radio) dedicated to informing the 60,000 motorists passing by the Estuary daily. Scripts focus on natural history, research, educational opportunities and Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET).Share CICEET derived research and resources relevant to coastal communities

Develop, enhance and deliver presentations (including GIS-based) about land use/water quality to local decision makers

Facilitate community meetings to develop action plans for implementing water and natural resource based planning

Review and revise existing programs and curriculum materials to support teaching core science standards through a marine context

Develop new marine education K-12 Sea Trek programs that reflect emerging national scientific issues and address prioritized education standards

Expand our programs and materials that target adult audiences and recruit and train a cadre of Docents specifically for that role

Develop programs focused on high school level teachers and students that provide exposure to marine research and encourage students to pursue marine fields in college and beyond

Develop convenient and effective teacher training in conjunction with all boat-based and field programs utilizing both face-to-face and remote methods

In partnership with schools and UNH, develop new programs that engage in-service and pre-service teachers directly with researchers, faculty, and graduate students

In collaboration with the Leitzel Center, the Education Department, and Marine Program faculty, develop both credit and non-credit marine science programs for middle and high school teachers

Hold water quality monitoring training sessions for new and existing volunteers - conduct field visits for in-depth monitoring and quality assurance

Provide analytical services, data base management and data analysis for Great Bay Coastal Watch and NH Lakes Lay Monitoring Program collected samples

Produce annual lake reports and coastal reports on water quality assessments from volunteer monitoring efforts

Hold regular meetings of the monitors to provide program updates, advanced monitoring technique trainings and data interpretation/presentation skill building. Also conduct needs assessment and evaluation

Provide data and data interpretation as requested by decision-makers, cooperators and watershed stakeholder groups

2. Brief description of the target audience

Commercial fishermen and related industries; land owners and recreational users of New Hampshire's lakes, estuaries, rivers, and ocean beaches; Formal and non-formal educators and K-12 students; policy and decision makers

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	2000	210000	0	0
2008	1974	60000	1000	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	0	0	
2008	7	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of fishermen attending workshops on the economic benefits of fish handling strategies aimed at enhancing product freshness and shelf-life

Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of fishermen attending workshops on focusing reducing sea-bed impacts by mobile fishing gear.

Year	Target	Actual
2008	30	153

Output #3

Output Measure

- Number of fishermen who participate in cooperative research proposals submitted to appropriate programs or agencies

Year	Target	Actual
2008	40	20

Output #4

Output Measure

- Number of individuals who attend training sessions designed to transfer blue mussel aquaculture technology from the research phase to commercial phase

Year	Target	Actual
2008	30	18

Output #5

Output Measure

- Number of interested individuals and companies helped to obtain aquaculture permits in NH waters and federal waters

Year	Target	Actual
2008	5	3

Output #6

Output Measure

- Number of individuals and companies helped to develop business plans for starting and expanding mussel farms

Year	Target	Actual
2008	5	1

Output #7

Output Measure

- Number of mussel growers helped to create sustainable and profitable businesses.

Year	Target	Actual
2008	5	2

Output #8

Output Measure

- Number of UNH Senior Project Teams provided with guidance in assisting communities with natural resource conservation projects

Not reporting on this Output for this Annual Report

Output #9

Output Measure

- Number of people reached through the Dollars and Sense of Saving Special Places program

Year	Target	Actual
2008	50	50

Output #10

Output Measure

- Number of activity-based Great Bay Discovery Cruises provided to citizens with the opportunity to learn about the estuary aboard the University's research vessel

Year	Target	Actual
2008	8	1

Output #11**Output Measure**

- Number of motorists passing by the Great Bay estuary exposed to a low power radio station (Great Bay Area Radio) dedicated to informing them with recorded messages on natural history, research, educational opportunities and Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET)

Year	Target	Actual
2008	30000	60000

Output #12**Output Measure**

- Number of water quality monitoring training sessions held for new and existing volunteers

Year	Target	Actual
2008	3	13

Output #13**Output Measure**

- Number of field visits made for in-depth monitoring and quality assurance

Year	Target	Actual
2008	20	42

Output #14**Output Measure**

- Number of annual lake reports and coastal reports published on water quality assessments from volunteer monitoring efforts

Year	Target	Actual
2008	30	35

Output #15**Output Measure**

- Number of new volunteers trained in proper water quality sampling methods and who participate in seasonal sampling as part of the Great Bay Coastal Watch or Lakes Lay Monitoring Program

Year	Target	Actual
2008	50	57

Output #16**Output Measure**

- Number of NH Lakes Lay Monitoring Program and Great Bay Coastal Watch volunteers who contribute hours toward conducting water quality monitoring and analysis activities in their local watersheds

Year	Target	Actual
2008	500	460

Output #17**Output Measure**

- Number of informational workshops and/or presentations aimed at facilitating partnerships between fishermen and scientists

Not reporting on this Output for this Annual Report

Output #18**Output Measure**

- Number of articles published detailing the results of cooperative research and their benefit to the fishing industry

Year	Target	Actual
2008	4	3

Output #19**Output Measure**

- Number of dockside and/or at-sea vessel demonstrations of enhanced fish handling strategies

Not reporting on this Output for this Annual Report

Output #20**Output Measure**

- Number of information sheets, technical reviews, and web pages authored which detail fish handling strategies and enhance economic value and shelf-life

Year	Target	Actual
2008	2	4

Output #21**Output Measure**

- Number of commercial fishermen, decision makers, media, potential investors, and interested parties reached through programs on Open Ocean Aquaculture

Not reporting on this Output for this Annual Report

Output #22**Output Measure**

- Number of towns and conservation groups provided with direct assistance regarding land and water conservation

Year	Target	Actual
2008	20	44

Output #23**Output Measure**

- Number of education programs provided to NH Realtors about natural resource contributions to property values

Not reporting on this Output for this Annual Report

Output #24**Output Measure**

- Number of meetings and other events where Wildlife Action Plan information is presented

Year	Target	Actual
2008	5	21

Output #25**Output Measure**

- Number of partners involved in determining actions to provide research-based information to help landowners and producers adopt sustainable practices

Year	Target	Actual
2008	5	7

Output #26**Output Measure**

- Number of workshops conducted for garden clubs, community groups, watershed associations and others interested in sustainable landscaping practices and water resources protection

Year	Target	Actual
2008	2	3

Output #27**Output Measure**

- Number of presentations (including GIS-based) developed, enhanced and delivered about land use/water quality to local decision makers

Year	Target	Actual
2008	15	15

Output #28**Output Measure**

- Number of community meetings facilitated to develop action plans for implementing water and natural resource based planning

Year	Target	Actual
2008	10	9

Output #29**Output Measure**

- Number of workshops delivered as educational follow-up related to community action plans

Year	Target	Actual
2008	10	22

Output #30**Output Measure**

- Number of new marine education K-12 Sea Trek programs that reflect emerging national scientific issues and address prioritized education standards

Year	Target	Actual
2008	3	2

Output #31**Output Measure**

- Number of marine science education programs focused on high school level teachers and students that provide exposure to marine research and encourage students to pursue marine fields in college and beyond

Year	Target	Actual
2008	12	8

Output #32**Output Measure**

- Number of home-school and other under-represented people reached through Marine Docent and the Great Bay Coast Watch programs.

Year	Target	Actual
2008	8	6

Output #33**Output Measure**

- Number of teachers assisted in measuring the improvement in student performance as a result of participation in programs

Year	Target	Actual
2008	5	25

Output #34**Output Measure**

- Number of guides developed to existing curricular and program materials that identify how the marine context can be used to address core content standards

Not reporting on this Output for this Annual Report

Output #35**Output Measure**

- Number of convenient and effective teacher training programs held in conjunction with all boat-based and field programs utilizing both face-to-face and remote methods

Not reporting on this Output for this Annual Report

Output #36**Output Measure**

- Number of new programs developed in partnership with schools and UNH, that engage in-service and pre-service teachers directly with researchers, faculty, and graduate students

Year	Target	Actual
2008	1	1

Output #37**Output Measure**

- Number of credit and non-credit marine science programs developed in collaboration with the UNH Leitzel Center, the Education Department, and Marine Program faculty for middle and high school teachers

Year	Target	Actual
2008	1	1

Output #38**Output Measure**

- Number of workshop trainings conducted at regional and national conferences

Year	Target	Actual
2008	3	4

Output #39**Output Measure**

- Number of NROC communities provided with water resource/water quality related technical assistance

Year	Target	Actual
2008	4	5

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Number of coastal watershed residents who report a greater willingness to participate in additional educational and/or stewardship events about the Great Bay Estuary
2	Number of coastal community members who report an increase in knowledge about growth and its effects on habitat, water quality, and water quantity
3	Number of community members, including divers, seafood handlers, and baitfish dealers who report an increase in knowledge and understanding of marine invasions and impacts on the ecosystem as well as an increase in knowledge of how they can minimize introductions from their activities
4	Number of adults and children with a measurable increase in their marine science literacy through specialist and volunteer delivered outcome-based, formal and informal education programs
5	Number of teachers who learn to utilize marine science concepts and contexts to support teaching core science and other content standards in their classrooms
6	Number of marine docents, educators, students, and the general public who gain knowledge of a web-based site containing marine science educational activities, programs, images and research results
7	Number of new aquaculture businesses started growing blue mussels on long lines in the open ocean
8	Dollars generated the blue mussel aquaculture industry
9	Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment
10	Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies
11	Number of fishermen who choose soft-bottom fishing gear over traditional equipment
12	Amount (\$) fishermen will receive in competitive funding for cooperative research
13	Number of fishermen who successfully complete cooperative research projects
14	Number of bank loans made to individuals seeking to enter the aquaculture industry
15	Percent of clientele who report increased conservation activity as a result of UNHCE programming
16	Number of towns and conservation groups receiving direct assistance with and that conduct natural resource planning and conservation
17	Number of municipal officials and others from twenty communities who apply information presented at Dollars and Sense programs to local land use decision-making and public policy development
18	Number of municipalities that take action to raise funds for land/water conservation after participating in UNHCE programs
19	Number of community decision-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity
20	Number of communities that develop action plans that include a variety of approaches for making progress in community based natural resource protection projects
21	Number of communities seeking technical or financial assistance from program partners in order to implement natural resource protection projects. Assistance might include help with developing plans, conducting outreach or reviewing regulations
22	Number of divers, seafood handlers, and baitfish dealers who adopt practices that prevent accidental introduction of invasive species
23	Number of K-12 teachers who adopt marine science concepts and contexts learned through Sea Grant /UNHCE programs that support teaching of core sciences and other content standards
24	Number of K-12 students who improve performance in content areas as a result of teachers incorporating marine science into their lesson plans
25	Based on data generated by the Great Bay Coastal Watch and the Lakes Lay Monitoring Program, number of pollution problem areas that are addressed by lake associations or regulatory agencies
26	Percent of active NH Lakes Lay Monitoring Program monitors who report that program results were presented to their communities and/or associations through newsletter/newspaper articles, formal and informal presentations, data summaries and report distributions
27	Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project
28	Number of fishermen who gain knowledge about the economic benefits of fish handling strategies aimed at enhancing product freshness and shelf-life

29	Number of individuals who attend training sessions designed to transfer blue mussel aquaculture technology for the research phase and indicate an increased understanding of the concepts
30	Number of community leaders, volunteers and others who increase their knowledge about natural resources and land conservation topics by attending workshops
31	Number of municipal officials and others who increase their knowledge about the economics of open space, and the financial alternatives available to conserve open space by attending UNHCE Dollars and Sense workshops
32	Marine Science Education - crosscutting
33	Fishing Industry - crosscutting
34	Water Quality Monitoring on New Hampshire's Lakes - crosscutting

Outcome #1**1. Outcome Measures**

Number of coastal watershed residents who report a greater willingness to participate in additional educational and/or stewardship events about the Great Bay Estuary

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	50	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management

Outcome #2**1. Outcome Measures**

Number of coastal community members who report an increase in knowledge about growth and its effects on habitat, water quality, and water quantity

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	180

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
131	Alternative Uses of Land
112	Watershed Protection and Management

Outcome #3

1. Outcome Measures

Number of community members, including divers, seafood handlers, and baitfish dealers who report an increase in knowledge and understanding of marine invasions and impacts on the ecosystem as well as an increase in knowledge of how they can minimize introductions from their activities
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Number of adults and children with a measurable increase in their marine science literacy through specialist and volunteer delivered outcome-based, formal and informal education programs

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	0	4240

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife
112	Watershed Protection and Management

Outcome #5

1. Outcome Measures

Number of teachers who learn to utilize marine science concepts and contexts to support teaching core science and other content standards in their classrooms
Not reporting on this Outcome for this Annual Report

Outcome #6

1. Outcome Measures

Number of marine docents, educators, students, and the general public who gain knowledge of a web-based site containing marine science educational activities, programs, images and research results

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	5000	7000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery

Outcome #7

1. Outcome Measures

Number of new aquaculture businesses started growing blue mussels on long lines in the open ocean
Not reporting on this Outcome for this Annual Report

Outcome #8

1. Outcome Measures

Dollars generated the blue mussel aquaculture industry

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	0	10000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
307	Animal Management Systems

Outcome #9**1. Outcome Measures**

Number of fishermen who choose non-mandatory conservation-minded gear over traditional equipment

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	4

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done**Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #10**1. Outcome Measures**

Number of cooperative research proposals submitted involving scientists and fishermen that focus on reducing benthic impacts of mobile fishing gear are submitted to appropriate programs/agencies

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	5	6

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #11

1. Outcome Measures

Number of fishermen who choose soft-bottom fishing gear over traditional equipment

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	4

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #12

1. Outcome Measures

Amount (\$) fishermen will receive in competitive funding for cooperative research

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	2000000	50000

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems
903	Communication, Education, and Information Delivery

Outcome #13

1. Outcome Measures

Number of fishermen who successfully complete cooperative research projects

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	10	12

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery
307	Animal Management Systems

Outcome #14

1. Outcome Measures

Number of bank loans made to individuals seeking to enter the aquaculture industry
Not reporting on this Outcome for this Annual Report

Outcome #15

1. Outcome Measures

Percent of clientele who report increased conservation activity as a result of UNHCE programming

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	25	80

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
112	Watershed Protection and Management

Outcome #16

1. Outcome Measures

Number of towns and conservation groups receiving direct assistance with and that conduct natural resource planning and conservation

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	35	44

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Education and training provided by Land & Water Conservation programming has increased communities' abilities to be pro-active about land conservation. Conserved land has significant water quality benefits, helps maintain the state's biodiversity, and supports natural resource-based industries such as forestry and agriculture.

What has been done

Extension's Land & Water Conservation program assists New Hampshire communities and conservation groups with land and water conservation planning projects, such as natural resources inventories, conservation planning, land protection, public outreach, and building public support.

Results

Land & Water Conservation staff provided assistance to 37 towns and seven conservation groups with natural resources inventories, wetland evaluation, water resources protection, conservation planning and land protection, and participated in 22 regional meetings. Direct assistance to communities, workshops and courses involved total participation of 1,373 participants.

4. Associated Knowledge Areas

KA Code	Knowledge Area
131	Alternative Uses of Land
133	Pollution Prevention and Mitigation
112	Watershed Protection and Management

Outcome #17

1. Outcome Measures

Number of municipal officials and others from twenty communities who apply information presented at Dollars and Sense programs to local land use decision-making and public policy development
Not reporting on this Outcome for this Annual Report

Outcome #18

1. Outcome Measures

Number of municipalities that take action to raise funds for land/water conservation after participating in UNHCE programs
Not reporting on this Outcome for this Annual Report

Outcome #19

1. Outcome Measures

Number of community decision-makers and Coverts Cooperators who identify actions they will take to conserve the state's biodiversity

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	70	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #20

1. Outcome Measures

Number of communities that develop action plans that include a variety of approaches for making progress in community based natural resource protection projects

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	2	37

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
131	Alternative Uses of Land

Outcome #21

1. Outcome Measures

Number of communities seeking technical or financial assistance from program partners in order to implement natural resource protection projects. Assistance might include help with developing plans, conducting outreach or reviewing regulations

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	2	7

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
131	Alternative Uses of Land
133	Pollution Prevention and Mitigation

Outcome #22

1. Outcome Measures

Number of divers, seafood handlers, and baitfish dealers who adopt practices that prevent accidental introduction of invasive species

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	15	65

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife
112	Watershed Protection and Management

Outcome #23

1. Outcome Measures

Number of K-12 teachers who adopt marine science concepts and contexts learned through Sea Grant /UNHCE programs that support teaching of core sciences and other content standards

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	20

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery

Outcome #24

1. Outcome Measures

Number of K-12 students who improve performance in content areas as a result of teachers incorporating marine science into their lesson plans
Not reporting on this Outcome for this Annual Report

Outcome #25

1. Outcome Measures

Based on data generated by the Great Bay Coastal Watch and the Lakes Lay Monitoring Program, number of pollution problem areas that are addressed by lake associations or regulatory agencies

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	3	5

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
133	Pollution Prevention and Mitigation

Outcome #26

1. Outcome Measures

Percent of active NH Lakes Lay Monitoring Program monitors who report that program results were presented to their communities and/or associations through newsletter/newspaper articles, formal and informal presentations, data summaries and report distributions

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	90	83

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery
133	Pollution Prevention and Mitigation
112	Watershed Protection and Management

Outcome #27

1. Outcome Measures

Percent of new or existing volunteer monitoring programs that request assistance and then initiate enhanced or expanded program efforts due to assistance provided by the project

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	70	25

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

More than 12 lake associations/communities requested or initiated additional/expanded monitor programs (this represents about 25%).

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
903	Communication, Education, and Information Delivery

Outcome #28

1. Outcome Measures

Number of fishermen who gain knowledge about the economic benefits of fish handling strategies aimed at enhancing product freshness and shelf-life
Not reporting on this Outcome for this Annual Report

Outcome #29

1. Outcome Measures

Number of individuals who attend training sessions designed to transfer blue mussel aquaculture technology for the research phase and indicate an increased understanding of the concepts

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	30	18

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
135	Aquatic and Terrestrial Wildlife

Outcome #30

1. Outcome Measures

Number of community leaders, volunteers and others who increase their knowledge about natural resources and land conservation topics by attending workshops

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	200	400

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
131	Alternative Uses of Land
112	Watershed Protection and Management

Outcome #31

1. Outcome Measures

Number of municipal officials and others who increase their knowledge about the economics of open space, and the financial alternatives available to conserve open space by attending UNHCE Dollars and Sense workshops
Not reporting on this Outcome for this Annual Report

Outcome #32

1. Outcome Measures

Marine Science Education - crosscutting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

The UNH Marine Docent Program is the primary vehicle for delivering marine science education programs to the formal pre-K-12 school audience and adults in New Hampshire and New England. The program addresses the needs and intended outcomes of the strategic plan for marine science education of the UNH Cooperative Extension program and the New Hampshire Sea Grant program, as well as the ocean literacy goals of NOAA.

What has been done

- SeaTrek Programs are the marine science education programs Docents bring to classrooms or adult gatherings addressing such topics as the rocky shore, sandy beach, or global climate change.
- Boat-based programs are offered on the R/V Gulf Challenger or party fishing boats and involve hands-on activities on the water.
- Training opportunities for Docent volunteers include the intensive training for new Docents, on-going training for veteran Docents, and monthly meetings which always include an educational component.

Results

- Increased the knowledge and awareness of 150 adult and 50 children from the general public about the Gulf of Maine, the Isles of Shoals, and the Shoals Marine Laboratory through seven on-day Shoals Discovery Cruises to Appledore Island.
- Strong collaborative ties continue with three of the four Seacoast based marine science education programs - the Seacoast Science Center, the Great Bay Discovery Center, and the Gundalow Company. Collaborative programs and grant applications have been developed and constructive discussions about future programming continue to take place.

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
135	Aquatic and Terrestrial Wildlife

Outcome #33**1. Outcome Measures**

Fishing Industry - crosscutting

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

Innovative collaborations between the fishing industry and research communities have continued since 1999. The two cooperative research funding organizations the Northeast Consortium (NEC) and the Cooperative Research Partnership Program (CRPP) have supported these collaborations. 2007 Congressional cease funding initiative of all 'ear-marked' programs continued through FY2009. As a result, the Northeast Consortium remained zero funded through 2009. The Northeast Consortium did receive competitive funds from NOAA/NMFS and was able to offer a small 2007 RFP (\$1.3 Million).

The NOAA S-K grant program was appropriated \$5 Million to support fisheries, aquaculture and fisheries social science projects in the Northeast. Although, funding for broad topic collaborative research projects has suffered, organizations like the S-K program have allowed for partnerships and cooperative projects to continue through 2009. Consequently, it continues to be critical for the fisheries extension program to identify and develop outreach and technology transfer mechanisms that will encourage the incorporation of conservation minded fishing gear into the industry. By promoting the transfer of collaborative research to the industry and fisheries communities will continue to illustrate the importance of science and industry working together to local/federal government and NGO sponsors.

What has been done

Fisheries extension activities through 2008 continued to be focused on increasing stakeholder awareness of cooperative research efforts in the northeast, building cooperative research partnerships, continuing safety awareness in the NH commercial fishing fleet and transferring size selection technology to the Northern shrimp fishery. In addition, programming was expanded to include marine debris and derelict fishing gear mitigation, sustainable seafood and aquaculture. The primary fisheries extension goals continue to be to transfer conservation gear technology that will reduce bycatch and minimize the impact of fishing gear on benthic habitats.

The focus of 2008 extension activities were to continue to promote cooperative research, engage new industry members with collaborative research, and educate the general public, industry, management and science communities of the tangible benefits of cooperative research.

Results

Fishing industry awareness of cooperative research and the benefits of partnering with the science community were increased. Awareness was increased using industry publications, websites, and Sea Grant publications. Seven (7) articles were published in the Commercial Fisheries News (CFN), of which (4) highlighted cooperative research and (3) focused on the Haddock Symposium, Collaborative Research Visioning Project and the Northeast Regional Tagging Symposium.

Interest and participation in cooperative research was increased through extension contacts with fishermen and researchers region wide (MA, NH and ME). In 2008, a total of (6) fisheries related cooperative research proposals were submitted to the Northeast Consortium, NMFS CRPP, NOAA Saltentall-Kennedy, and the International Foundation for Animal Welfare. Four projects were funded and one is currently in review. A total of twenty (20) fishermen and eight (8) scientists partnered in the development of these proposals.

Since 2005, fishing gear technology has been transferred to the seasonal Northern Shrimp fishery in ME and NH. During the 2007- 2008 season, (4) commercial fishermen used size selectivity gear developed through cooperative research, instead of the traditional Nordmore grate. A total of twenty (20) industry adopters are expected for the 2008 - 2009 season. Adopters will include ME, NH and MA fishermen. This represents approximately 70% of the active shrimp fishermen. The FEE program anticipates that as the market demand for local shrimp increases, shore-side processing facilities will return and adoption by the regional shrimp fishery will continue to increase.

4. Associated Knowledge Areas

KA Code	Knowledge Area
112	Watershed Protection and Management
135	Aquatic and Terrestrial Wildlife

Outcome #34**1. Outcome Measures**

Water Quality Monitoring on New Hampshire's Lakes - crosscutting

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The fresh waters of New Hampshire represent a valuable resource contributing to New Hampshire's economic base through recreation, tourism and real estate revenues. Some lakes and rivers also serve as current or potential drinking water supplies. For most residents, our waters help insure a high quality of life. However, New Hampshire currently leads all New England states in the rate of new development and redevelopment. The long-term consequences of the resulting pressure and demands on the state's precious water resources remain unknown.

Of particular concern is the increasing non-point source pollutant loading due to watershed development and land use activities. Local citizens, lake/watershed associations and local decision-makers remain in dire need of additional information required for the intelligent management of our water resources. Limited financial resources do not allow for adequate monitoring of these waters by state or federal agencies, and the increased development and recreational use require a more accurate assessment of the water quality of our estuaries, lakes, ponds, rivers and streams.

Recent research confirms the importance of maintaining the quality (and quantity) of our fresh water resources. For the Lakes Region of New Hampshire, it was determined that a perceived decline in water quality in lakes and rivers would result in a \$245 million loss in sales, an \$8.8 million loss in local income and an estimated loss of at least 396 jobs (Nordstrom 2007). A previous study (Gibbs et al 2002) estimated as much as a 25% loss in property value occurs from a loss in water clarity. In addition with water demand exponentially increasing against development and growth our pristine NH waters, especially our lakes are poised to serve as primary and secondary water supplies.

What has been done

The NH Lakes Lay Monitoring Program (LLMP), supported and administered by UNH Cooperative Extension, offers a cost-shared, quality-assured water quality monitoring and assessment program taking advantage of the commitment of county residents to serve as volunteer monitors. We have worked with a majority of the towns and local lake and watershed associations in New Hampshire's Lake's Region (for over 35 years in some cases) providing monitoring and water quality assessment assistance.

Results

New Hampshire LLMP volunteers are empowered to act as local experts on the water quality conditions and in providing assessment results as well as resource stewardship support through UNH Cooperative Extension and cooperators (NH Lakes Association, NH Dept. of Environmental Services, NH Fish and Game) outreach programs and materials. Over 84% of our participants report back to their local communities in this way. There are over 500 active lake and tributary monitors working in New Hampshire and they contributed 5,482 hours in 2008. At the 2007 volunteer rate of \$19.51 (www.independentsector.org) this equates to a value of \$106,954.

Thirty annual reports for lake monitoring participants were produced and shared with communities. Some reports included data from multiple lakes (i.e. Milton Three Ponds, Wentworth/crescent report, Squam lake report.

More than \$106,950 was generated by NH LLMP programs for use as match for federal and state grants for the UNH Center for Freshwater Biology (CFB), the UNH Water Resources Research Center, NH Municipalities, and NH Department of Environmental Services. The CFB/LLMP Analysis Laboratory provided over \$25,000 in discounted water analyses and field sampling to NH municipalities and communities.

The CFB/LLMP Analysis Laboratory provided over \$15,000 in free laboratory analyses to NH municipalities and communities and provided \$3,025 in free or discounted laboratory analyses for UNH faculty and students and by lending sampling and water quality analysis equipment.

4. Associated Knowledge Areas

KA Code	Knowledge Area
133	Pollution Prevention and Mitigation
112	Watershed Protection and Management

V(H). Planned Program (External Factors)**External factors which affected outcomes**

- Natural Disasters (drought,weather extremes,etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Government Regulations
- Populations changes (immigration,new cultural groupings,etc.)

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

- After Only (post program)
- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}